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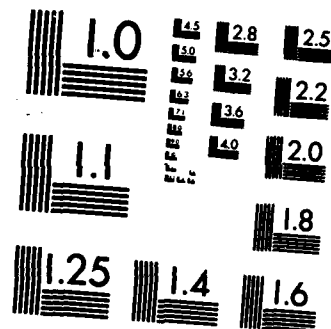
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VOLUME 39, PART 2, 1985

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This is a companion issue to Vol. 39, Pt. 1. The latter contains the full bibliographic citations referred to in the author and subject indexes included in this issue. In the author index, principal and joint personal and corporate authors are listed along with the title, date, pagination, and language of the document and the accession number. The subject index is composed of four basic elements: 1) terms taken from a controlled vocabulary based on the *Thesaurus of Engineering and Scientific Terms* (LEX-EJC); 2) free terms added as needed, 3) geographic names, generally entered under countries, 4) cross references suggesting additional appropriate terms. The terms are listed in a single alphabetical arrangement, along with title (original, translated, abridged, expanded, or supplied), principal author, date, pagination, and language of pertinent documents, and their accession numbers.

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Nocardia antarctica—a new species of actinomycete isolated from a glacial thickness in Central Antarctica (1983, p.310-318, eng) 39-459
- Acero, W.
Landsat-assisted environmental mapping in the Arctic National Wildlife Refuge, Alaska (1982, 59p. + 2 maps, eng) 39-1274
- Ackert, R.P., Jr.
Ice-cored lateral moraines in Tarfala Valley, Swedish Lapland (1984, p.79-88, eng) 39-457
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Elemental compositions and concentrations of micro-spherules in snow and pack ice from the Weddell Sea (1983, p.128-131, eng) 39-307
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Reports of the U.S.-U.S.S.R. Weddell Polynya Expedition, October-November 1981, Volume 5, Sea ice observations (1983, 6p. + 59p., eng) 39-380
Sea ice data buoys in the Weddell Sea (1984, 18p., eng) 39-384
Surface roughness of Ross Sea pack ice (1983, p.123-124, eng) 39-16
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West antarctic sea ice (1984, p.88-95, eng) 39-1502
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Dalton Highway: characterization of foundation soils (1984, 30p. + append., eng) 39-3904
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Effects of the Quaternary glaciers on the Matese Mountain (Campania-Molise boundary) (1983, p.117-130, ita) 39-2844
- Acres Consulting Services, Ltd.
Offshore permafrost analysis (1980, 20p. + append., eng) 39-1045
- Action, D.F.
Effect of groundwater on soil formation in a moraine landscape in Saskatchewan (1985, p.293-307, eng) 39-3584
- Adamovich, N.M.
Multiyear variations of the dates of stable-ice formation in the Yenisey river estuary and their forecasting (1984, p.121-128, rus) 39-2022
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Monte Carlo calculations for the ice-rules model, with and without Bjerrum defects (1984, p.4063-4070, eng) 39-1743
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McGill Axel Heiberg Station with an inventory as of June 1983 (1984, 7p. + append., eng) 39-953
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Confirmed earthquake in continental Antarctica (1985, p.489-492, eng) 39-3086
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How to control ice formation on natural-draft cooling towers (1983, p.45-47, eng) 39-469
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Improving ice and snow measurements on lakes (1984, p.1-1-14, eng) 39-537
Snow in geography (1983, p.10-17, eng) 39-1021
Variability of light beneath a modified portion of the snow and ice cover of a lake (1984, p.65-71, eng) 39-540
- Addison, P.A.
Adaptations of *Luzula confusa* to the polar semi-desert environment (1984, p.121-132, eng) 39-712
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Buckling analysis of cracked, floating ice sheets (1984, 28p., eng) 39-715
- Adams, D.
Equipment for frost heave tests: friction between plastic and soil (1982, 6p., eng) 39-1724
- Admiral, P.
Hailstone growth trajectories in the dynamic evolution of a moderate hailstorm (1983, p.1008-1021, eng) 39-2081
- Adashinov, A.A.
Ground water regime of drained swamps in the eastern Lake Baykal area (1983, p.125-130, rus) 39-469
- Aellen, M.
Precipitation determination in glacierized mountains (1985, p.97-105, ger) 39-2998
- Afanasenko, V.E.
Investigation of areas of icing (naled) formation and subsurface water discharge under permafrost conditions using surface geophysical techniques (1984, p.211-216, eng) 39-2159
- Afonina, O.M.
Peculiarities of Arctic moss flora in the USSR (1973, p.174-176, rus) 39-449
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Baykal Amur railroad: the first decade (1984, 208p., rus) 39-1408
- Agent, K.R.
Field evaluation of snowplowable pavement markers (1983, p.18-24, eng) 39-1645
- Agata, V.
Estimation of mass balance components of a summer-accumulation type glacier in Nepal, Himalaya (1984, p.249-255, eng) 39-2507
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Using liquid nitrogen in artificial freezing of rocks when sinking mine shafts (1984, p.21-22, rus) 39-823
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Energy-budget model of snowmelt in southern and east-central Wisconsin (1983, 202p., eng) 39-2007
- Aguirre-Puente, J.
Some reflections on fundamental research in the freezing of soils (1984, p.63-65, eng) 39-3050
- Ahern, J.
Acid precipitation in southeastern Wyoming (1983, 105p., eng) 39-1513
- Ahmad, N.
Interpretation of the chemical and physical time-series retrieved from Sentik Glacier, Ladakh Himalaya, India (1984, p.66-76, eng) 39-244
- Ahrens, T.J.
Shock vaporization and the accretion of the icy satellites of Jupiter and Saturn (1984, 44p., eng) 39-2090
- Ahmed, A.I.
Symbols for a geocryogenic inventory (1984, p.12-18, spa) 39-3940
- Air-entraining admixtures: inexpensive insurance against damage caused by freezing and thawing
Air-entraining admixtures: inexpensive insurance against damage caused by freezing and thawing (1985, p.351-353, eng) 39-3283
- Altsberg, G.B.
Prefabricated large-block residential houses for the North (1984, p.14-16, rus) 39-1834
- Altsberg, M.M.
Mudflow and avalanche danger in mountainous and gullied areas of the Ukrainian SSR (1984, p.88-95, rus) 39-911
- Alsin, V.B.
Recent glaciation of the Ala-Archa River basin (1984, p.111-120, rus) 39-642
- Ajmera, P.K.
Cold Weather Transit Technology Program. Volume 13: Microwave coupling to ice/metal structures (1983, 58p., eng) 39-3923
- Akademie der Wissenschaften der DDR. Zentralinstitut für Isotopen- und Strahlenforschung
Isotopes in antarctic research—contributions of the GDR II (1984, 132p., eng) 39-126
- Akhide, K.
Materials for tension leg platform tethers (1985, p.351-356, eng) 39-2435
- Akimov, I.U.P.
Physicochemical nature of the formation of unfrozen water in frozen soils (1984, p.195-199, eng) 39-2155
- Akitaya, E.
Studies of the behavior of a snow cover on mountain slope 18. Glide motion of snow and formation of crack in melting season (1984, p.49-57, jpn) 39-4034

- Akky, M.R.**
Geotechnical features of Fur Seal Island design [1985, p.39-47, eng] 39-3161
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Changes of the components of geological media in the Vor-kuta area, induced by human activities [1984, p.16-26, rus] 39-410
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Approximate solutions to the problem of radiant-conductive heat transfer [1984, p.18-20, rus] 39-323
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Distribution and regime of snow avalanches in western Tien Shan [1984, p.45-59, rus] 39-635
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Preliminary studies for the project of a landing strip at Capitan Arturo Prat Base, Greenwich Island [1983, p.156-194, eng] 39-2611
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Temperature measurements in permafrost [1984, 87p., eng] 39-1721
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Deceleration of projectiles in snow [1982, 29p., eng] 39-1271
Seismic site characterization techniques applied to the NATO RSG-11 test site in Munster Nord, Federal Republic of Germany [1982, 33p., eng] 39-1269
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Modeling two-dimensional freezing using transfinite mappings and a moving-mesh finite element technique [1984, 45p., eng] 39-383
- Alberta River Forecast Centre and Survey Branch**
Water supply review and snow survey summary, 1981-82 (Alta.) [1982, 25p. + append., eng] 39-1003
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Ice cores and snow [1985, p.97-153, eng] 39-3905
- Aldrich, J.W.**
Managing water resources for Alaska's development; proceedings [1983, var. p., eng] 39-2440
Soil erosion on subarctic forest slopes [1983, p.115-118, eng] 39-769
- Alema, J.**
Snow accumulation, firm temperature and solar radiation in the area of the Colle Gnifetti core drilling site (Monte Rosa, Swiss Alps): Distribution patterns and interrelationships [1983, p.131-147, eng] 39-1964
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Studies on formation and range of ice avalanches [1984, 217p., ger] 39-992
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Air navigation support for scheduled flights of IL-18 aeroplanes to Molodezhnaya Station [1983, p.99-105, eng] 39-2600
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Satellite methods of studying soil cover of forest lands (1984, p.45-47, rus) 39-1487
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Improving blasthole drilling techniques (1984, p.11-14, rus) 39-1163
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Effects of variations in the latent heat of ice fusion in soils on interaction of boreholes with permafrost (1984, p.200-203, eng) 39-2156
Melting of ice in a porous medium (1984, p.83-88, rus) 39-3548
- Antimova, N.P.
Chemical composition of bottom deposits in coastal areas of the Kara Sea (1985, p.71-78, rus) 39-3358
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Determining physical parameters of sea ice from remote microwave measurements in the 0.3-18 cm range (1985, p.23-31, rus) 39-2464
- Annexstad, J.O.
Ablation and ice movement at the Allan Hills Main Icefield between 1978 and 1981 (1984, p.17-22, eng) 39-1242
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Applications of Anno's modeling conditions to outdoor modeling of snowdrifts (1984, p.179-181, eng) 39-342
Development of a snowdrift wind tunnel (1985, p.153-161, eng) 39-2558
Froude number paradoxes in the modeling of a snowdrift (1985, p.191-192, eng) 39-2561
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- Antipov, V.I.
Radial stresses acting on well walls at different depths during freezing of fluids in caverns (1984, p.27-28, rus) 39-1836
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- Antonenko, V.I.A.
Solitons and proton motion in ice-like structures (1983, p.631-640, eng) 39-488
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Time requirements for elimination of winter slipperiness (1984, p.26, rus) 39-2110
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Calculating the length of the season for peat mining with milling cutters (1984, p.5-9, rus) 39-3767
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Providing the national economy with rapid scientific information on ice conditions in lower courses and estuaries of Siberian rivers in the tenth Five-Year-Plan period (1984, p.75-80, rus) 39-2817
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Present states and technical trends of unmanned underwater vehicles (1984, p.4-17, jpn) 39-3033
- Apel, J.R.
Review of major scientific results from U.S. satellite altimetry and projections for the future (1984, p.1-16, eng) 39-3093
- Appel, I.L.
Consideration of advection in numerical methods of ice calculations (1984, p.68-72, eng) 39-3652
Determination of the tangential stress acting on an ice cover (1984, p.73-77, eng) 39-3653
- Applied Earth Science Consultants, Inc.
Trace metal characterization in berite for drilling operations (1980, 72p. + appenda., eng) 39-994
- Arai, K.
Evaluation of MOS-1 microwave scanning radiometer (MSR) data in field experiments (1985, p.435-444, eng) 39-3704
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Air-cushion belt conveyor equipped with a cargo-carrying unit (1984, p.67-71, rus) 39-799
- Arar, I.
Evaluation of the effect of natural brine deicing agents on pavement materials (1983, p.24-31, eng) 39-1646
- Araya F., M.
Deployment of satellite automatic weather sensing stations in the Antarctic Peninsula: logistic problems and solutions (1983, p.39-68, eng) 39-2594
Main considerations about the future use of more practical, safe and comfortable Chilean antarctic bases and refuges (1983, p.366-381, eng) 39-2625
Main results and perspectives of some Chilean experiences developed with low cost and accurate spatial remote sensing technology (1984, p.85-90, eng) 39-4069
- Archegova, I.B.
Effectiveness of grassland establishment in tundra (1983, p.47-57, rus) 39-27
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Moving ripples in solar haloes: are they caused by sound-waves from meteors (1984, p.122-125, eng) 39-1315
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Quantitative evaluation of the amount of elastic materials removed from coastal areas by ice rafting (1984, p.74-75, rus) 39-3061
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Field dielectric measurements of frozen silt using VHF pulses (1984, p.29-37, eng) 39-329
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- Radar investigations above the trans-Alaska pipeline near Fairbanks (1984, 15p., eng) 39-2098
- Arctic news record, Summer 1984, Vol.3 No.2
Arctic news record, Summer 1984, Vol.3 No.2 (1984, 62p., eng) 39-1203
- Arctic Offshore Technology Conference and Exposition, Calgary, Alberta, Nov. 6-9, 1984
(Proceedings) (1984, var.p., eng) 39-1845
- Arctic report
Arctic report (1985, p.44-61, eng) 39-1944
- Arctic shipping
Arctic shipping (1984, p.37-46, eng) 39-2876
- Are, A.L.
Mass transfer in the snow cover of central Yakutia (1984, p.204-207, eng) 39-2157
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Thermal regime of thermokarst lakes in central Yakutia (1984, p.282-285, eng) 39-2173
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Changes of geological media induced by construction in the town of Barnaul (1985, p.29-31, rus) 39-3613
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- Arefeva, V.I.
Paludification of the city of Barnaul and its effect on stability of engineering structures (1985, p.79-81, rus) 39-3623
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Evolution of flood-plain soils of the taiga zone (as illustrated by the Kul'-Yegan River floodplain) (1977, p.33-44, rus) 39-683
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- Artikainen, A.I.
Main transportation route in the Soviet Arctic (1984, 192p., rus) 39-2836
Possibilities of long-range forecast of the state of the Chukchi flaw polynya in spring (1984, p.51-56, eng) 39-3688
Year-to-year variability of the glacial extent of the Gulf of Anadyr in spring (1984, p.57-67, eng) 39-3691
- Armstrong, T.
Arctic policy concerns for the year 2000: global and Soviet policy concerns (1985, p.31-43, eng) 39-3327
- Armas, B.M.
El Niño-Southern Oscillation events recorded in the stratigraphy of the tropical Quelccaya ice cap, Peru (1984, p.50-53, eng) 39-1364
- Arnsberg, F.W.
Truck drivers' attitudes to winter road maintenance (1984, 17p. + appenda., swe) 39-3798
- Arockiammy, M.
Motion and structural response of a hydroelastic semi-submersible model to waves and ice impacts (1985, p.753-761, eng) 39-2387
Response of concrete shell panels to simulated impact (1985, p.653-670, eng) 39-3213
Response studies of concrete shell panel models to simulated bergy-bit impact (1984, p.127-138, eng) 39-3476
Semi-submersible response to transient ice forces (1984, p.463-490, eng) 39-1649
- Arslanov, Kh.A.
New data on the origin of ice-bearing loess in northern Yakutia and the Arctic mammoth dwelling environments during the Late Pleistocene (1984, p.1446-1449, rus) 39-1636
- Artem'ev, E.A.
Trajectory of a percussion hammer designed for frozen ground (1984, p.125-127, rus) 39-1908
- Arthaud, J.
Re-design of the scale of avalanche danger (1984, p.19-34, fre) 39-2671
- Arumachalam, V.M.
Padé coefficients for the solution of the wave dispersion equation under ice (1984, p.211-226, eng) 39-228
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Social and housing conditions in the Yamburg gas field (1985, p.11, rus) 39-2829
- Asakura, N.
Preliminary results of geological and geophysical surveys in the Ross Sea and in the Dumont D'Urville Sea, off Antarctica (1984, p.66-92, eng) 39-1698
- Asano, A.
Ice crystals grown from the vapor at temperatures lower than -15 deg C (1984, p.96-103, eng) 39-3451
Morphology of ice crystals grown from the vapour at temperatures between -4 and -1.5C (1984, p.140-145, eng) 39-1736
- Assev, G.G.
Safety of electrical installations in industrial complexes (1977, p.79-93, rus) 39-3991
- Ash, R.L.
Development of a uniaxial ice tensile specimen for low temperature testing (1984, p.47-52, eng) 39-331
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Laboratory and field evaluation of an ultrasonic distance meter for measurement of snow surface profiles (1985, p.70-74, eng) 39-2398
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Logistics for structures sealed to the Arctic (1985, p.285-293, eng) 39-3181
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Determination of two-dimensional temperature fields in the body of a subgrade during its freezing and thawing (1982, p.10-15, rus) 39-2519
- Ashton, G.D.
Deterioration of floating ice covers (1985, p.177-182, eng) 39-3286
Ice deterioration (1984, p.31-38, eng) 39-481
- Askar, H.G.
Development and application of infinite elements to ground freezing problems (1982, 217p., eng) 39-2883
- Assel, R.A.
Comparison of 1983 Great Lakes winter weather and ice conditions with previous years (1985, p.291-303, eng) 39-3391
Great Lakes winter weather and ice conditions for 1982-83 (1984, 35p., eng) 39-2888
Proceedings (1984, 78p., eng) 39-488
- Aster, A.
Glacier and rock glaciers in Haut-Vallon du Loup (Haute-Ubaye, southern French Alps) (1983, p.27-41, fre) 39-1631
Orientation measurements on the block material of rock glaciers in the southern Alps. Introduction of coefficients for rock glacier studies (1983, p.107-126, fre) 39-188
Association québécoise de télédétection, Congress, 4th, Montreal, May 1983
Proceedings (1984, 840p., eng) 39-3439

- Assur, A.**
Tertiary creep model for frozen sands (discussion) [1984, p.1373-1378, eng] 39-1038
- Astafeev, A.M.**
Fastening overhead line supports with screw anchors [1985, p.41-44, rus] 39-2846
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Influence of geographic zonality on satellite indication of geological objects in western and central Siberia [1980, p.24-25, rus] 39-1331
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Using satellite information in complex mapping of Subarctic territories of northeastern USSR [1980, p.20-22, rus] 39-1330
- Atefi, A.**
Evaluation of the effect of natural brine deicing agents on pavement materials [1983, p.24-31, eng] 39-1646
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Using electronic measurement equipment in winter [1981, 7p., eng] 39-2092
- Atkinson, J.**
Keeping America's roads safe during winter [1984, p.56-58, eng] 39-93
Snowfighters face many challenges [1985, p.74-84, eng] 39-3032
- Atlas, R.M.**
Bacterial populations of the Beaufort Sea [1984, p.327-345, eng] 39-1883
Oil spills: damage and recovery in tundra and taiga [1984, p.135-155, eng] 39-1180
- Atroschenko, O.A.**
Systems approach and mathematical modeling of forest ecosystems [1984, p.18-22, rus] 39-2582
- Atwater, B.F.**
Periodic floods from glacial lake Missoula into the Sanpoil arm of glacial lake Columbia, northeastern Washington [1984, p.464-467, eng] 39-2719
- Au, V.C.S.**
Effects of freeze-thaw softening on a natural clay at low stresses [1985, p.69-78, eng] 39-2486
- Augstein, E.**
Expedition "Arktis 2" on the R.V. *Polarstern* with the cooperation of the R.V. *Valdivia* and research aircraft *Falcon 20* to MIZEX in 1984 [1984, 192p., eng] 39-1949
Hydrography at the edge of Filchner Ice Shelf [1985, p.50-57, ger] 39-2805
- Auld, F.A.**
Freeze wall strength and stability—whose theory do you believe [1984, p.35-42, eng] 39-3412
- Australia. Department of Housing and Construction**
AANBUS data sheets for erection of prefabricated antarctic buildings and services [1984, var. p., eng] 39-2233
Power house plant installation manual for prefabricated antarctic buildings and reticulated services [1981, n.p., eng] 39-2190
Rebuilding Australia's antarctic stations. Statement of evidence to the Parliamentary Standing Committee on Public Works [1981, 24p. + attachments, eng] 39-2191
- Australia. Department of Housing and Construction. Antarctic Rebuilding Program**
Ground anchor design guidelines [1984, 15 leaves, eng] 39-2115
Review of ground anchor tests and procedures [1984, 23 leaves, eng] 39-2114
- Australia. Department of Housing and Construction. Antarctic Structural Group**
Design of the cladding system for use on antarctic projects [1984, 39p., eng] 39-2116
- Australia. Department of Science and Technology**
Rebuilding Australia's antarctic stations. Supplementary statement of evidence to the Parliamentary Standing Committee on Public Works [1981, 15p., eng] 39-2192
- Australia. Department of Transport and Construction**
Casey domestic building, Vol. I. AANBUS erection manual for prefabricated antarctic buildings and reticulated services [1982, var. p., eng] 39-2229
Casey site services, Vol. I. AANBUS erection manual for prefabricated antarctic buildings and reticulated services [1982, var. p., eng] 39-2230
Halon fire protection system for store buildings. AANBUS erection manual for prefabricated antarctic buildings and reticulated services [1982, var. p., eng] 39-2231
Mawson bulk fuel system. AANBUS erection manual for prefabricated antarctic buildings and reticulated services [1982, var. p., eng] 39-2232
- Aust, J.A.**
Determining soil properties by electric cone penetrometer [1985, p.144-152, eng] 39-3168
- Avakian, A.B.**
Problems, prospects and results of building water reservoirs in the taiga zone [1984, p.64-78, rus] 39-2345
- Avalanche activity of the 1983-1984 season**
Avalanche activity of the 1983-1984 season [1984, p.3-18, fre] 39-2670
- Aver'lanov, V.G.**
Air navigation support for scheduled flights of IL-18 aeroplanes to Molodezhnaya Station [1983, p.99-105, eng] 39-1600
- Avsiak, G.A.**
Antarctic Committee reports, No. 17. Main results of twenty years' research in the Antarctic [1984, 348p., eng] 39-552
- Aydin, K.**
Differential radar scattering properties of model hail and mixed-phase hydrometeors [1984, p.58-66, eng] 39-1249
- Ayres, D.J.**
Ice-preventive and deicing oil-in-water emulsion [1973, 12 col., eng] 39-3846
- Azevedo, W.V.**
Snow-melting system, 9th Street and I-64, Louisville [1982, 31p., eng] 39-3717
- Azuma, N.**
Mechanical properties of Dye 3 Greenland deep ice cores [1984, p.1-8, eng] 39-163
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Artificial freezing and thawing of ground with thermopiles [1984, p.11-12, rus] 39-2101
- Babaev, N.S.**
Using satellite information on forest cover in studying landslides and mudflows in the Caucasus [1984, p.103-104, rus] 39-1495
- Babenkov, V.I.**
Method of controlling the state of thermal insulation of underground hot water pipes [1984, p.113-115, rus] 39-2075
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Micromycetes in soils of an Arctic tundra ecosystem [1983, p.71-74, rus] 39-221
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Contribution to the calculation of the snow accumulation and snowmelt runoff in a mountain catchment area [1984, p.5-15-5-40, eng] 39-1293
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Application area of different methods and means of dust-explosion protection in mines [1984, p.93-99, rus] 39-2338
- Babiński, Z.**
Course of permafrost degradation in summer and the distribution of temperature in the unfreezing layer in the Bayan-Nuurin-khotnor basin [1978, p.163-172, eng] 39-535
Cryogenic relief in the Bayan-Nuurin-khotnor basin [1978, p.141-148, eng] 39-534
- Babintseva, R.M.**
Natural restoration beneath the canopy of southern taiga [1983, p.5-13, rus] 39-3067
- Babkin, I.U.S.**
Attenuation of radiation at a wavelength of 0.96 mm in snow [1971, p.2171-2174, eng] 39-357
- Babushkin, O.L.**
Snow cover characteristics in arid grazing areas of Uzbekistan [1978, p.67-75, rus] 39-1337
- Bachurin, G.V.**
Water resources of taiga. Proceedings of the 12th expanded meeting of the Scientific Council of the Siberian Branch of the Academy of Sciences USSR on the combined development of taiga areas, Irkutsk, Nov. 15-16, 1982 [1984, 184p., rus] 39-2341
- Badmaev, R.S.**
Peculiarities of underground mining of perennially frozen placer deposits [1983, p.33-39, rus] 39-1890
- Bagautinov, G.A.**
Methods of determining boulder accumulations and sporadic permafrost when mining placer deposits [1985, p.14-18, rus] 39-3546
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Measuring avalanche velocity [1984, p.32-34, rus] 39-291
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Weddell polynya as a consequence of hydrophysical processes in the Weddell circulation [1984, p.1238-1242, rus] 39-375
- Baiano, G.**
Technology, cost and organization of urban winter road service [1984, p.34-43, ita] 39-2047
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Anti-icer and de-icer compositions [1975, 14p., eng] 39-3971
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Experimental assembly for studying the interaction of mud-flow mass with obstacles [1984, p.130-132, rus] 39-2294
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Acid precipitation in southeastern Wyoming [1983, 105p., eng] 39-1513
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Methods of determining boulder accumulations and sporadic permafrost when mining placer deposits [1985, p.14-18, rus] 39-3546
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Ecological role of lichen cover in the pine forests of central Vychegda [1985, p.25-30, rus] 39-3107
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Core drilling on Vernagtferner (Oetzal Alps, Austria) in 1979: deuterium and oxygen-18 contents [1983, p.23-35, eng] 39-45
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New bow for M.V. *Arctic* [1984, p.325-341, eng] 39-3491
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Reducing frost heave by electro-osmotic dewatering and soil chemical treatment [1984, p.10-15, eng] 39-81
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Snow control study for Dempster Highway cut at mile 292.5 [1978, 3p. + 8 figs., eng] 39-727
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Specification guide for snow removal vehicles for rail transit systems [1983, 165p., eng] 39-539
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Investigation of the solutions to snow avalanche movement equations [1984, p.117-128, eng] 39-1377
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River port construction in northern regions [1985, p.21-22, rus] 39-3119
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Possible applications of foam cements in protecting the environment in connection with well drilling [1984, p.208-210, eng] 39-2158
- Balabolin, V.G.**
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Casey old station site plan, Issue No.2 [1984, 1 sheet, eng] 39-2242
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Davis site plan, Issue No.4 [1984, 1 sheet, eng] 39-2245
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- Baranovskii, A.**
Equipment for ice removal and ice cutting work [1984, p.28, rus] 39-3533
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Geological conditions of the city of Omsk [1985, p.31-34, rus] 39-3614
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Formation of chemical composition of lake waters in the periglacial zone of East Antarctica [1985, p.107-127, rus] 39-2898
Problem of the paleogeology of Antarctica [1984, p.155-164, eng] 39-555
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Florogenetic peculiarities of moss floras [1973, p.178, rus] 39-450
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- Barents Sea-Svalbard**
Barents Sea-Svalbard [1984, p.17-26, eng] 39-2874
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Two-dimensional ice-type vertex model with two types of staggered sites. I. The free energy and polarization [1982, p.1021-1028, eng] 39-1649
Two-dimensional ice-type vertex model with two types of staggered sites. II. A system of two interacting modified KDP models [1984, p.207-210, eng] 39-1650
- Barinov, M.G.**
Temperature regime and photosynthetic apparatus of Arctic tundra plants [1984, p.150-155, rus] 39-2658

- Barkov, I.U.V.**
Increasing the reliability of Series 1-164 large panel buildings with longitudinal bearing walls (1984, p.5-7, rus) 39-3739
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Study of the granulometric composition of ice core trace elements at Vostok Station by an electrooptical method (1984, p.26-33, rus) 39-1007
- Barnes, P.W.**
Alaskan Beaufort Sea: ecosystems and environments (1984, 466p., eng) 39-1869
Correlation between an ice ridge and sea bed geologic boundary (1985, p.169-184, eng) 39-3763
Geological evidence for 60 meter deep pressure-ridge keels in the Arctic Ocean (1984, p.189-206, eng) 39-1803
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Ice gouging characteristics and processes (1984, p.185-212, eng) 39-1876
Role of ice gouging in determining global forces on arctic structures (1985, p.251-266, eng) 39-5178
Some probabilistic aspects of ice gouging on the Alaskan Shelf of the Beaufort Sea (1984, p.213-236, eng) 39-1877
- Barnes-Svarney, P.L.**
Ice jam prediction model as a tool in floodplain management (1985, p.256-260, eng) 39-3099
- Barnett, D.G.**
Handbook for sea ice analysis and forecasting (1984, 324p., eng) 39-1047
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Linear prediction of sea ice anomalies (1985, p.5665-5675, eng) 39-3531
- Barnola, J.M.**
Antarctic ice core reveals atmospheric CO₂ variations over the past few centuries (1985, p.309-311, eng) 39-3892
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Size and perfection of crystals in lake ice (1985, p.104-110, eng) 39-3139
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Geographical aspects of the First International Polar Year, 1882-1883 (1983, p.463-484, eng) 39-859
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Plio-Pleistocene glacial sequence cored at CIROS 2, Ferrar Fjord, western McMurdo Sound (1985, p.8-19, eng) 39-3864
- Barrie, J.V.**
Davis Strait iceberg scouring study (1984, 78p., eng) 39-3446
Frequency of ice scouring on the northeastern Grand Banks of Newfoundland using the interrelationship of scours and bedform migration (1985, p.220-221, eng) 39-3765
Seabed processes on the northeastern Grand Banks of Newfoundland: modern reworking of relict sediments (1984, p.209-227, eng) 39-502
- Barrie, L.A.**
Concentration and deposition of acidity, major ions and trace metals in the snowpack of the eastern Canadian shield during the winter of 1980-1981 (1984, p.1459-1469, eng) 39-3371
- Barry, R.G.**
Arctic ocean ice and climate: perspectives on a century of polar research (1983, p.485-501, eng) 39-860
CODATA directory of data sources for science and technology. Chapter 9: Snow and ice (1984, 87p., eng) 39-143
Sea-ice and snow-cover data availability, needs and problems (1984, p.9-15, eng) 39-164
- Barskii, B.I.**
New technology of erecting tower pile-drivers on artificially frozen ground (1984, p.7-10, rus) 39-1830
- Barskii, B.L.**
Single pile foundations for industrial objects (1984, p.23-25, rus) 39-1033
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Review of technology and construction problems for surface flooded ice runway on deep snowfield (1978, 35p., rus) 39-3084
- Bartsch-Winkler, S.**
Guide to Late Pleistocene and Holocene deposits of Turanagin Arm (1984, 70p. + 2 maps, eng) 39-4027
- Bashlavin, D.K.**
Coastal structure of the western part of the East Siberian Sea (1982, p.174-178, rus) 39-758
- Basistov, M.A.**
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Outdoor Pursuit Program
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Canadian Symposium on Remote Sensing, 8th, Montreal, May 1983
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- Chao, N.**
Epitaxial ice crystal growth on covellite (CuS), Fts. 1 and 2 (1984, p.317-334, eng) 39-3130
- Chang, K.P.**
Proceedings, Vol.2. Engineering mechanics in civil engineering (1984, p.735-1547, eng) 39-188
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Spatial analysis of ice charts (1985, p.386-394, eng) 39-3187
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Pu-240/Pu-239 ratio, a potential geochronometer (1985, p.1-8, eng) 39-2926
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Contractor looks at slope protection for arctic offshore artificial islands (1985, p.102-110, eng) 39-3168
Single point mooring for the Bering Sea (1985, p.999-1008, eng) 39-3238
- Christiansen, M.E.**
Marine biology of polar regions and effects of stress on marine organisms (1983, 639p., eng) 39-3153
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Power engineering of the Yakut ASSR and some problems of its reliability (1977, p.3-13, rus) 39-3967
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Ice loads on ships (1984, p.37-38, rus) 39-429
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Field and theory: lectures in geocryology (1985, 213p., eng) 39-2690
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Operation, testing and design of vessels in the Canadian Beaufort Sea (1984, 34p., eng) 39-1865
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- Cleola, G.**
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Comparison of the thermal regimes for freezing and thawing of moist soils (1985, p.407-410, eng) 39-3277
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Soil investigation in Antarctica, 1969-70 (1970, p.101-104, eng) 39-3157
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Effect of Lake Michigan on a surface synoptic low (1984, p.335-345, eng) 39-2972
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Reflectance spectroscopy: quantitative analysis techniques for remote sensing applications [1984, p.6329-6340, eng] 39-3226
Spectral properties of ice-particulate mixtures and implications for remote sensing. 1. Intimate mixtures [1984, p.6341-6348, eng] 39-679
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Elemental compositions and concentrations of microspherules in snow and pack ice from the Weddell Sea [1983, p.128-131, eng] 39-307
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Discrete reflections from thin layers of snow and ice [1984, p.323-331, eng] 39-2971
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- Climate Diagnostics Workshop, 6th, Palisades, NY, Oct. 14-16, 1981**
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- Cload, G.**
Whole-field interferometric scheme for measuring strain and flow rates of glacier and other natural surfaces [1983, p.492-497, eng] 39-209
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Cubic ice, snowflakes, and rare-gas solids: surface energy, entropy, and the stability of small crystals [1984, p.1419-1420, eng] 39-653
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Thickness of ice on perennially frozen lakes [1985, p.561-562, eng] 39-2928
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Vertical ice forces on a pile: experimental, theoretical and proposed engineering prevention study [1982, 81p., eng] 39-1840
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Proceedings of a workshop on the properties of snow, 8-10 April 1981, Snowbird, Utah [1982, 135p., eng] 39-1717
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Grain growth and the creep behavior of ice [1985, p.187-189, eng] 39-2560
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Techniques for investigating meltwater runoff and erosion [1984, p.374-382, eng] 39-2313
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- Combined mechanization schemes for construction of industrial pipelines**
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Concrete structure designed for Arctic [1984, p.92-94, eng] 39-812
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Automated computer monitoring sea-ice temperature by use of NOAA satellite data [1984, p.145-150, eng] 39-3440
- Conference Arctic '85**
Civil engineering in the Arctic offshore [1985, 1259p., eng] 39-3158
- Conference on Resources and Dynamics of the Boreal Zone Thunder Bay, Ontario, Aug. 1982**
Proceedings: Resources and dynamics of the boreal zone [1983, 544p., eng] 39-1517
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Whole-field interferometric scheme for measuring strain and flow rates of glacier and other natural surfaces [1983, p.492-497, eng] 39-209
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Use of the falling weight deflectometer to predict damage potential on Alaskan highways during spring thaw [1985, p.46-51, eng] 39-2477
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Air permeability as a textural indicator of snow [1984, p.328-333, eng] 39-3783
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Aircraft deicing apparatus [1971, 8 col. + figs., eng] 39-3841
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Failure criteria for sea ice and loads resulting from crushing [1984, p.1-16, eng] 39-3466
Ice loads on structures with compound slopes [1985, p.267-275, eng] 39-3179
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Cloud physics investigations by the University of Wyoming in HIPILEX 1977-1982 [1982, 135p., eng] 39-1232
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Structure, salinity and density of multi-year sea ice pressure ridges [1985, p.194-198, eng] 39-2413
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Design and model testing of an Arctic seawater intake for sedimentation and wave effects [1985, p.714-722, eng] 39-3217
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- Craig, J.L.**
Towards a computer-based bibliography for cold weather construction managers (1984, 238p., eng) 39-1423
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Distributional patterns of fishes in an Alaskan Arctic lagoon (1985, p.9-18, eng) 39-3555
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Superplasticity owing to grain growth in polar ices (1985, p.60-62, eng) 39-3726
- Dvořák, A.D.
Stabilization of temperature field of gas mains with "cold" satellite pipelines (1984, p.44-46, rus) 39-2102
- Dvornikova, L.L.
Conditions of soil formation in the southwestern south-taiga subzone (the Sabinakka research station of Leningrad University) (1984, p.73-79, rus) 39-1304
- Dwyer, L.M.
Comparison of observations and macroclimatic model estimates of monthly winter soil temperatures at Ottawa (1985, p.109-122, eng) 39-2758
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Acoustic problems (1984, 2p., eng) 39-944
Arctic ambient noise statistical measurement results and their implications to sonar performance improvements (1984, 15p., eng) 39-945
FRAM II single channel ambient noise statistics (1984, 29p., eng) 39-943
- Dyck, G.E.
Snowmelt infiltration in frozen Prairie soils (1984, p.669-677, eng) 39-2087
- Dyer, I.
Scientific research (1985, p.85-86, eng) 39-3332
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Probabilistic model for predicting the duration of levels of electromagnetic transmission in falling snow (1984, 33p., eng) 39-2920
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Canada's last great ice sheet (1983, p.6-8, eng) 39-780
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Protecting foundations of buildings and structures from adverse effects of ground water (1985, 264p., rus) 39-3702
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Comparative evaluation of the effect of propelling charges in seasonally frozen and thawed ground (1984, p.140-143, rus) 39-3398
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Formation and geological activity of ground waters in eastern Siberia (1982, p.105-112, rus) 39-35
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Genetic classification and diagnostic features of snow avalanches (1984, p.97-104, rus) 39-2773
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Wind effect on vertical migration of water vapor in snow cover and physico-mechanical properties of snow (1984, p.55-65, rus) 39-296
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Justification of the technology of hydraulic filling of earth blocks under severe climatic conditions (1985, p.96-100, rus) 39-3402
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4th report of working group on testing methods in ice (1984, p.1-41, eng) 39-3494
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Characteristic features of glacial sediments (1982, p.1-9, eng) 39-230
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Comparison of three compactors used in pothole repair (1984, 14p., eng) 39-2099
Engineer's pothole repair guide (1984, 12p., eng) 39-2096
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Ice sighting in Antarctica (1984, p.151-158, spa) 39-3350
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Analysis of helicopter snow obscuration sub-test at SNOW-TWO (1984, p.289-310, eng) 39-2969
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Smoke Week VI/SNOW-TWO observations (1984, p.405-407, eng) 39-2979
Snow-Two/Smoke Week VI field experiment plan (1984, 85p., eng) 39-3031
- Edwards, T.
Studies on the densification of snow as a pressure sintering process (1) (1984, p.153-161, jpn) 39-2472
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Evaluation of the effect of natural brine deicing agents on pavement materials (1983, p.24-31, eng) 39-1646
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Gravity tides on the Filchner Ice Shelf (1985, p.58-59, eng) 39-2806
Vertical tidal motion of Filchner Ice Shelf (1984, p.82-97, ger) 39-1605
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Up-dating of the Finnish-Swedish ice class rules (1984, p.231-245, eng) 39-1104
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Lichen-free zones as neoglaciation indicators on western Melville Island, District of Franklin (1985, p.709-712, eng) 39-2335
- Edwards, M.C., Jr.
Announcement of 1984 International Ice Patrol Service (1984, p.20-24, eng) 39-2530
- Elmanka, L.
Combat operations in Karelia (1984, p.91-94, rus) 39-2023
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Approximate solution of the Stefan problem on a segment (1983, p.1450-1455, eng) 39-1084
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Computation of the major axes of tensor ellipses of external stresses acting on ice cover (1984, p.51-58, eng) 39-688
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Numerical interpretation of images obtained by the side-looking radar from the "Kosmos-1500" satellite (1984, p.82-90, rus) 39-2057
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Influence of global rise in temperature on sea ice in the Arctic (1984, p.3-10, rus) 39-2378
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Construction and reconstruction of scientific stations in the Antarctic (1983, p.326-337, eng) 39-2621
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Methods of long range forecasting of the freezing dates of the Volga reservoir-cascade (1984, p.3-17, rus) 39-434
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Geotechnical features of Fur Seal Island design (1985, p.39-47, eng) 39-3161
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Effect of antarctic ice crystals and aerosols on the polarimetry and photometry of the antarctic sky (1985, p.1845-1854, eng) 39-3712
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Frame structure of inland- and combined-navigation ships (1984, 375p. (Pertinent p. 242-246 and 293-301), rus) 39-2197
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Organization and economic efficiency of feeder transport of cargo in the Arctic (1983, p.43-47, rus) 39-964
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Lake sediments as continental delta O-18 records from the glacial/post-glacial transition (1984, p.149-152, eng) 39-189
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Allerd-Younger Dryas climatic inferences from cirque glaciers and vegetational development in the Nordfjord area, western Norway (1984, p.137-160, eng) 39-717
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Glaciological studies on the Ross Ice Shelf, Antarctica, 1973-1978 (1984, p.21-53, eng) 39-4030
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Study of sediment transport in Norwegian glacial rivers, 1969 (1973, 46p., eng) 39-2634
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Limitations to predictability of plant succession in northern ecosystems (1983, p.214-225, eng) 39-1522
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Melting rates in turbulent recirculating flow systems (1984, p.1116-1121, eng) 39-602
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Possible late Palaeozoic glaciation in the central parts of the Yemen Arab Republic (1984, p.126-128, eng) 39-253
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Motion and structural response of a hydroelastic semi-submersible model to waves and ice impacts (1985, p.753-761, eng) 39-2387
Semisubmersible response to transient ice forces (1984, p.463-490, eng) 39-1049
- El-Tahan, M.
Correlation between iceberg draft and above water dimensions (1985, p.130-147, eng) 39-3760
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Low-waste technology and the environmental protection of mining areas in the permafrost zone (1984, p.129-135, rus) 39-2339
Pre-weakening perennially frozen rocks (1984, p.9-15, rus) 39-2540
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Numerical interpretation of images obtained by the side-looking radar from the "Kosmos-1500" satellite (1984, p.82-90, rus) 39-2057
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Environmental and performance monitoring for offshore Arctic exploration structures (1984, 10p. + figs., eng) 39-1856
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Interaction between foundations and freezing frost-heaving ground (1984, p.37-42, rus) 39-415
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Management of ice-covered rivers: problems and perspectives (1981, p.245-253, eng) 39-1152
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Probability models for annual extreme water-equivalent ground snow (1984, p.1153-1159, eng) 39-1740
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United States Geological Survey in Alaska: accomplishments during 1981 (1984, 162p., eng) 39-21
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Stability of the northern Canadian tree limit (1983, p.560-576, eng) 39-865
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Pedogenic implications of a 14C-dated paleopedzolic soil at Haugabreen, Southern Norway (1984, p.77-91, eng) 39-607
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Using an experimental automatic data-processing system for satellite surveying of forests (1984, p.53-55, rus) 39-348
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Cryogenic soils of Yakutia and their utilization (1984, 125p., rus) 39-3020
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Measurements of cloud nuclei in the effluents from launches of liquid- and solid-fueled rockets (1982, p.1323-1331, eng) 39-2216
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Vegetation pattern and ecology of siliceous boulder snow beds on Svalbard (1984, p.9-20, eng) 39-3373
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Physical environment western Barents Sea, 1:1,500,000. Surface sediment distribution (1983, 22p. + map, eng) 39-227
Pockmark field in the central Barents Sea: gas from a petrogenic source (1985, p.11-19, eng) 39-3885
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Length-thermal stress relations for composite bridges (1985, p.788-804, eng) 39-3315
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Wind-tunnel experiments of snowdrift formation behind an elevated building at Syowa Station, Antarctica (1985, p.114-119, jpn) 39-3606
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Studies of the behavior of a snow cover on mountain slope. 18. Glide motion of snow and formation of crack in melting season (1984, p.49-57, jpn) 39-4034
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Case studies of snow clouds by means of snow crystal sondes (1984, p.101-112, jpn) 39-4039
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Arctic drilling and production platform concept (1985, p.1131-1147, eng) 39-3248
- Engelke, G.
Ice formation and prevention on sub-zero cooled hydraulic structures (1984, p.77-86, eng) 39-1794
- Engelmark, H.
Infiltration in unsaturated frozen soil (1984, p.243-252, eng) 39-3090
- Engineering Mechanics Division Specialty Conference, 5th.
Laramie, WY, Aug. 1-3, 1984
Proceedings, Vol.2. Engineering mechanics in civil engineering (1984, p.735-1547, eng) 39-188
- Engish, J.G.
Underwater support capabilities—Arctic marine operations (1984, 10p., eng) 39-1866
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Implications of upstream impoundment on the natural ecology and environment of the Slave River Delta, Northwest Territories (1984, p.311-339, eng) 39-2269
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Transverse mixing characteristics of open and ice-covered channel flows (1974, 267p., eng) 39-2552

- Eakvist, E.**
Fine grain model ice [1984, p.217-227, eng] 39-1805
New fine-grain model-ice of Wartsila Arctic Research Centre [1984, p.247-259, eng] 39-1105
- Eana, E.G.**
Optimal platform strength in the presence of moving ice [1984, p.239-244, eng] 39-229
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Lattice statistics model for the age distribution of air bubbles in ice [1985, p.654-655, eng] 39-3907
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Microwave emission from an irregular snow layer [1983, p.423-437, eng] 39-731
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Mechanics of ice failure depending on temperature and the pace of loading [1984, p.188-196, rus] 39-320
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Oblique radio-echo sounding of the Central Tuyuksu Glacier for studying its internal structure [1984, p.165-174, rus] 39-2784
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Digital processing of passive K(a)-band microwave images for sea-ice classification [1984, 54p., eng] 39-1720
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Complex freezing-melting interfaces in fluid flow [1983, p.293-318, eng] 39-1648
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Computer simulation techniques for Arctic offshore design—a review [1984, 9p. + figs, eng] 39-1864
Dee-water platform solutions for the Navarin Basin [1985, p.1018-1026, eng] 39-3240
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- Ergin, V.A.**
Device for thawing frozen saw-logs [1984, p.133-135, rus] 39-137
- Erkila, J.**
Additional observations on the snow to be considered when skiing [1984, p.1.43-1.49, eng] 39-1281
- Ermakov, K.K.**
Dynamic (percussion) sounding of snow cover [1984, p.147-155, rus] 39-2781
- Ermilov, A.**
Ultrasonic version of an ice-removing machine [1985, p.12-13, rus] 39-2884
- Ermola, E.D.**
Structure of ground ice in moraines of the Zailiyskiy Alatau [1983, p.187-194, rus] 39-1931
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Physicochemical nature of the formation of unfrozen water in frozen soils [1984, p.195-199, eng] 39-2155
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Regularities of soil formation and weathering in the transition zone from the Eurasian continent to the Pacific Ocean [1984, 262p., rus] 39-1153
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Investigation of the effect of the hull plating roughness on the passability of ship in ice [1984, p.343-352, eng] 39-3492
- Each, D.**
Asphalt pavements modified with coarse rubber particles: design, construction, and ice control observations [1984, 35p. + append., eng] 39-2838
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Design and performance of road and railway embankments on permafrost [1984, p.25-30, eng] 39-2123
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Determining physical parameters of sea ice from remote microwave measurements in the 0.3-18 cm range [1985, p.23-31, rus] 39-2464
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Dynamic response of an icebreaker hull to ice breaking [1984, p.287-296, eng] 39-1811
Laboratory experiments on frazil ice growth in supercooled water [1984, p.43-58, eng] 39-1621
Observations on the growth of urea ice on a small ice basin [1984, p.207-216, eng] 39-1804
Ship-hull motion through brash ice [1984, p.277-286, eng] 39-1810
- Etter, H.-J.**
Accidents and damage due to avalanches in the Swiss Alps [1984, p.95-127, ger] 39-1352
- Euro, S.**
Plant production and its relation to climatic conditions and small rodent density in Kilpisjärvi region (69 deg. 05 min. N, 20 deg. 40 min. E), Finnish Lapland [1984, p.121-130, eng] 39-2933
- Evans, D.**
Nonmetallic materials and composites at low temperatures. 2. Proceedings [1982, 399p., eng] 39-529
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HF CODAR Doppler transponder system [1985, p.888-907, eng] 39-3229
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Failure criteria for sea ice and loads resulting from crushing [1984, p.1-16, eng] 39-3466
Ice forces due to impact loading on a slope structure [1985, p.220-229, eng] 39-3175
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Architectural and structural design of submarine transport vessels [1983, p.110-118, rus] 39-2205
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Biological activity of soil in the Far North under conditions of air pollution with industrial wastes [1984, 121p., rus] 39-486
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Landsat-assisted environmental mapping in the Arctic National Wildlife Refuge, Alaska [1982, 59p. + 2 maps, eng] 39-1274
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Soil-landscape relations at selected sites along environmental gradients in northern Alaska [1981, 357p., eng] 39-3511
Summer wetlands in the frozen north [1983, p.510-515, eng] 39-3002
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Three-dimensional analysis of an artificial island [1985, p.617-625, eng] 39-3209
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Electrical soundings of some rock glaciers and moraines in the southern Alps of France [1984, p.127-137, fre] 39-3928
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Orientation measurements on the block material of rock glaciers in the southern Alps. Introduction of coefficients for rock glacier studies [1983, p.107-126, fre] 39-100
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Decomposition method of solving two-phase Stefan problems [1984, p.1070-1074, rus] 39-1635
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Increasing the strength of reinforced-concrete structures at plants during their reconstruction [1985, p.31-32, rus] 39-2860
Rheological properties of concrete mixtures subjected to percussion and percussion-vibration [1984, p.68-71, rus] 39-1982
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Technical and economic analysis of means for fastening pipeline ballast [1984, p.17-19, rus] 39-1032
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Electron microscopy and molecular theory of microstructured fluids [1982, 356p., eng] 39-1405
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Digital processing of passive K(a)-band microwave images for sea-ice classification [1984, 54p., eng] 39-1720
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Comparison of smoke and obscurant microscale physical characteristics in summer and winter environments [1984, p.399-403, eng] 39-2978
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Mapping the Fram Strait ice edge using AVHRR imagery and NOAA satellite orbital data [1984, p.369-372, eng] 39-2540
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Direct conversion of peat to liquid fuel: Alaska's resource and opportunity [1984, p.14-19, eng] 39-2761
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Geological and lithological conditions of drilling pile holes on BAM construction sites and the development of requirements for drilling instruments [1983, p.79-83, rus] 39-1156
Improving blasthole drilling techniques [1984, p.11-14, rus] 39-1163
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Influence of draining non-chernozem paludized forests on vegetational dynamics [1985, p.24-27, rus] 39-2754
Some aspects of changes in woody plants of drained forests in the Kama-Vyatka interfluvium [1984, p.341-344, rus] 39-1302
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Along the way of technical progress [1984, p.13-15, rus] 39-1642
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Evolution of mushroom-shaped oceanic currents [1984, p.481-484, rus] 39-149
Satellite technique and the development of modern concepts in ocean dynamics [1984, p.3-13, rus] 39-157
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- Fedoseeva, V.I.**
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- Fedoseva, E.N.**
Predicting the dates of the beginning of stable ice formation in the Ob' and Taz Bays [1984, p.111-120, rus] 39-2021
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Thermal metamorphism of antarctic sea ice [1984, p.23-29, rus] 39-975
- Fedulov, A.I.**
Percussion-shattering of perennially frozen rocks [1983, p.125-131, rus] 39-422
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- Feely, R.A.**
Sources, composition, and transport of suspended particulate matter in lower Cook Inlet and northwestern Shelikof Strait, Alaska [1982, 28p., eng] 39-3955
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Observations of volcanic tremor at Mount St. Helens volcano [1984, p.3476-3484, eng] 39-325
- Fenchenko, V.N.**
Simulation and optimization of high-speed freezing of water-bearing rocks using liquid nitrogen [1984, p.676-678, eng] 39-2043
- Fenco Consultants, Ltd.**
M.V. Arctic instrumentation and data collection system for ship operations in ice: system operating and user's manual, Vol. 1 (operating instructions) [1981, var.p., eng] 39-995
M.V. Arctic instrumentation and data collection system for ship operations in ice: system operating and user's manual, Vol. 2 (hardware manual) [1981, var.p., eng] 39-996
M.V. Arctic instrumentation and data collection system for ship operations in ice: system operating and user's manual, Vol. 3 (software manual) [1981, 76p. + appends, eng] 39-997
- Feng, X.**
Preliminary research on some characteristics of the spectral reflection of snow cover [1984, p.15-26, chi] 39-3513
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Discussion on the fluctuation and the environment since Main Wünn glaciation in the headwater of Urumqi River, Tianshan [1984, p.51-62, chi] 39-3517

- Feng, Z. (cont.)**
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Box-jenkins transfer function models applied to suspended sediment concentration-discharge relationships in a proglacial stream (1984, p.93-106, eng) 39-608
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Control of ground and groundwater for shaft sinking (1984, p.7-12, eng) 39-3408
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Runoff from glacierized mountains: a model for annual variation and its forecasting (1983, p.702-708, eng) 39-4052
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Electronic design and performance of an impulse radar ice-depth sounding system used on the Vatnajökull ice-cap, Iceland (1984, p.111-125, eng) 39-2305
- Results of impulse radar ice-depth sounding on the Vatnajökull ice-cap, Iceland (1984, p.126-134, eng) 39-2306
- Ferraro, O.J., Jr.**
Pipelines in the Northern USSR (1984, p.98-99, eng) 39-2136
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Analysis of diffusion wave flow routing model with application to flow in tailwaters (1983, 31p., eng) 39-1252
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Snow sense; a guide to evaluating avalanche hazard (1984, 45p., eng) 39-1970
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Changes in Arctic tussock tundra thirteen years after fire (1984, p.1332-1333, eng) 39-886
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Steel structures for the Far North need to be improved (1984, p.13-14, rus) 39-2189
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All-Union conference "Vegetational cover of Subarctic highlands and problems of Arctic-Alpine floristic bonds", Khibiny, July 10-15, 1984. Summaries (1984, 113p., rus) 39-303
- Rational utilization of vegetational cover of the Far North (1984, p.102-103, rus) 39-326
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Nocardiopsis antarctica—a new species of actinomycete isolated from a glacial thickness in Central Antarctica (1983, p.310-318, eng) 39-459
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Ice-age Arctic ocean ice-sheets: a possible direct link with insolation (1982, p.223-240, eng) 39-1984
- Final Symposium on the Results of the Joint Soviet-American Expedition, Leningrad, May 12-17, 1974**
USSR/USA Bering Sea Experiment; Proceedings (1982, 307p., eng) 39-2737
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Optimum form of pulses in radar sounding of sea ice (1971, p.2179-2182, eng) 39-359
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Finland—leader in icebreaking technology: Finns find market in special vessels (1984, p.167-172, eng) 39-610
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Cold ocean engineering bibliography (1984, 169p., eng) 39-395
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Experimental studies of nucleation by dry ice (1982, p.1567-1570, eng) 39-2217
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Structure and hydrogen ordering in ices VI, VII, and VIII by neutron powder diffraction (1984, p.3612-3623, eng) 39-1578
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Radioactive dating of Byrd core and Allan Hills ice (1983, p.111, eng) 39-9
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Electrical resistivity soundings of glacier beds: a test study on Grubengletscher (1984, p.373-376, eng) 39-3791
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Devon Island ice core and the glacial record (1985, p.309-327, eng) 39-3935
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Secondary stress within the structural frame of DYE-3: 1978-1983 (1984, 44p., eng) 39-1138
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Moving towards production in the Beaufort Sea (1984, 13p. + figs., eng) 39-1863
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- Design, installation, and performance of a berm supported exploration structure in the Beaufort Sea (1985, p.105-113, eng) 39-2402
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Variability of light beneath a modified portion of the snow and ice cover of a lake (1984, p.65-71, eng) 39-540
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Present status and future of lead studies in polar snow (1985, p.101-104, eng) 39-3574
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Geologic guide to the Fairbanks-Livengood area, east-central Alaska (1985, 44p., eng) 39-4028
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Physiography: Castleward karst and Columbia Icefields area, Alberta, Canada (1983, p.427-436, eng) 39-1323
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Toward a radar surveillance system for Lake Melville/Off-shore Labrador (1984, p.293-300, eng) 39-3445
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Freeze-thaw and consolidation effects on strength of a wet silt loam (1984, p.1749-1752, eng) 39-2672
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Molecular erosion of ice by keV ion bombardment (1982, p.407-412, eng) 39-1147
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High relief terrain classification using digital elevation model
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Kulluk extends the Arctic offshore drilling season (1984,
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Nucleation of ice in undercooled water and aqueous polymer
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Load bearing capacity of an ice cover subjected to concentrat-
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Blast waves in frozen soils (1984, p.811-815, eng) 39-153
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4th report of working group on testing methods in ice (1984,
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Exploration and production concepts and projects for Arctic
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Transient flow process in unsaturated soils under flux bound-
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Snow sense: a guide to evaluating avalanche hazard (1984,
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Recent experience in conducting ice model tests using a syn-
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Resource allocation in high-arctic vascular plants of differing
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Visible and ultraviolet emission from pulse irradiated amor-
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- Frel, T.E.-A.
Problems of xeromorphism as applied to northern conditions
(1984, p.178-179, rus) 39-2661
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Snow-dust distribution during the triggering of firn-ice ava-
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Behavior of cold gas pipelines and cryogenic suction (1985,
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- Behaviour of soils in the Arctic (1984, p.27-30, eng) 39-3042
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Ice wedges and permafrost conditions near King Point, Beau-
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385, eng) 39-2270
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Hydrogen evolution in liquid and frozen aqueous electrolyte
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Spreading agent for icy and snowy roads (1972, 4p., ger) 39-4019
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C-13/C-12 ratios in CO₂ extracted from antarctic ice (1984,
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Cryptoendolithic microbial environment in the antarctic cold
desert: temperature variations in nature (1985, p.19-25,
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Spreading agent for slippery roads and streets (1981, 4p.,
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Thermal convection during Bridgman crystal growth (1984,
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Ice formation on Minnesota lakes: use of LANDSAT imagery
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Influence of chloride on freeze-thaw deterioration of hard-
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Influence of chloride on freeze-thaw deterioration of hard-
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Marine biological data of BIOMASS programme at Syowa
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- Seasonal change of chlorophyll a under fast ice in Lützow-
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Ice-formation phenomena for water flow between two cooled
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Discontinuous turbidity currents and power snow avalanches
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Environmental background (1985, p.26-68, eng) 39-3932
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Glossary of landscape and vegetation ecology for Alaska
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Behaviour of sea ice plates under long term loading (1984,
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Flashover tests of artificially iced insulators (1982, p.2429-
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Cold Weather Transit Technology Program. Volume 12:
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Ecological role of lichen cover in the pine forests of central
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Structural and technologic peculiarities and the organization
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Manual for Military Topography, USSR. Ministry of De-
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Elastic constants of artificial and natural ice samples by Bri-
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Geomorphology of the Hunza Valley, Karakoram Mountains, Pakistan (1984, p.359-410, eng) 39-2319
Recent fluctuations in some glaciers of the Western Karakoram Mountains, Hunza, Pakistan (1984, p.411-455, eng) 39-2320
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Chemical analyses of soils and other surficial materials, Alaska (1984, 77p., eng) 39-1137
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Near-surface temperatures near and below the equilibrium line on polar and subpolar glaciers (1983, p.1-25, eng) 39-1630
- Govan, F.A.
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Method of detecting voids in rubble ice (1984, p.183-188, eng) 39-343
Structure of first-year pressure ridge sails in the Prudhoe Bay region (1984, p.115-135, eng) 39-1873
Surface roughness of Ross Sea pack ice (1983, p.123-124, eng) 39-16
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Tenth anniversary of the Vavilov Dome (1984, p.79-82, rus) 39-1833
- Govorukhin, A.M.
Manual for Military Topography, USSR. Ministry of Defense, Moscow (1980, 352p., rus) 39-1390
- Govorushko, S.M.
Speed of rock stream movement in the Verkhne-Kolymakoye highlands (1984, p.128-137, rus) 39-850
- Gow, A.J.
Baseline acidity of ancient precipitation from the South Pole (1984, 7p., eng) 39-387
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Crystalline structure of urea ice sheets used in modeling in the CRREL test basin (1984, p.241-253, eng) 39-1807
Flexural strengths of freshwater model ice (1984, p.73-82, eng) 39-1757
Quiet freezing of lakes and the concept of orientation textures in lake ice sheets (1984, p.137-149, eng) 39-1763
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Isotope stratification in high mountain glaciers: examples from the Peruvian Andes and Himalaya (1983, p.417-424, eng) 39-203
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Controlling seasonal variations in grounding resistance of electrode grounding systems (a system of grounding electrodes as a grounding device with heating) (1977, p.71-78, rus) 39-3990
- Graded, L.
Liquid mixtures separation in a freezing-out process (1984, p.1141-1148, eng) 39-89
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Ultracontinental taiga soil formation on calcareous loams in Central Yakutiya (1976, p.144-160, eng) 39-706
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Results obtained in field studies of subglacial flow velocities in the Yenisey River estuary (1984, p.30-50, rus) 39-2014
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New investigations of accumulation on the Filchner/Ronne Ice Shelf (1985, p.7-17, ger) 39-2800
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Small scale tests of sea bottom ice scouring (1984, p.267-279, eng) 39-3487
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Effects of freeze-thaw softening on a natural clay at low stresses (1985, p.69-78, eng) 39-2486
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Effects of low temperatures on the growth and unfrozen water content of an aquatic plant (1984, 8p., eng) 39-804
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Heat transfer studies for heat pipe cooling and freezing of ground (1982, p.63-71, eng) 39-2910
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Influence of synoptic conditions on the formation and movement of catastrophic avalanches (1983, p.165-176, rus) 39-1929
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Synoptic-climatic analysis of situations in the El'brus Mountain area (1984, p.16-32, rus) 39-290
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Schefferville permafrost research. Volume 1: Parts 1a and 1b—summary, review and recommendations and catalogue of available materials (1984, 80p. + append., eng) 39-567
- Grand, D.
On the conduction band edge energy of ice (1983, p.119-122, eng) 39-1064
- Grande, O.
Padé coefficients for the solution of the wave dispersion equation under ice (1984, p.211-226, eng) 39-228
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Snowmelt infiltration in frozen Prairie soils (1984, p.669-677, eng) 39-2087
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Frost resistance of polymer-treated concretes (1984, p.11-12, rus) 39-355
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Ice scour and ice ridging studies in Lake Erie (1984, p.33-43, eng) 39-1790
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- Grave, N.A.
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Development and environmental protection in the permafrost zone of the USSR: a review (1984, p.116-124, eng) 39-2140
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Snowmelt infiltration in frozen Prairie soils (1984, p.669-677, eng) 39-2087
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Marine biology of polar regions and effects of stress on marine organisms (1983, 639p., eng) 39-3153
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Model for predicting ice accretion and ablation in water bodies (1984, p.1160-1169, eng) 39-1741
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Thermal insulation, materials, and systems for energy conservation in the 80s (1983, 893p., eng) 39-219
- Great Lakes Ice Research Workshop, Columbus, OH, Oct. 18-19, 1983
Proceedings (1984, 78p., eng) 39-480
- Grebaev, M.
Device for heating monolith concrete (1984, p.12, rus) 39-1561
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Interphase interactions in pore moisture and the thermorheological properties of frozen ground (1978, p.595-598, rus) 39-4006
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Natural oscillations of an ice-covered channel (1984, p.313-320, eng) 39-3781
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Summer water budget and its importance in the alpine tundra of Colorado [1984, p.221-239, eng] 39-3893
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Anethic arcs from airborne ice crystals [1984, p.339-343, eng] 39-2356
Complex ice-crystal halo phenomena: sky archaeology [1980, p.346-353, eng] 39-3882
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Vapor pressures of supercooled H₂O and D₂O [1984, p.4781-4786, eng] 39-1583
- Greischar, L.L.**
Geophysical survey of subglacial geology around the deep-drilling site at Dye 3, Greenland [1985, p.105-110, eng] 39-3575
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Bibliography of ice properties and forecasting related to transportation in ice-covered waters [1980, 187p., eng] 39-742
- Grekovich, A.L.**
Using the ion-selection electrode technique in determining some salt components in ice [1984, p.113-119, rus] 39-473
- Grelle, M.**
Isotope-hydrological and hydrochemical studies of the interior-antarctic lake "Untersee" in the Wohlthat Massif, Dronning-Maud Land (East Antarctica) [1984, p.75-86, eng] 39-128
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Spectral albedos of sea ice and incident solar irradiance in the southern Beaufort Sea [1984, p.3573-3580, eng] 39-258
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Temporal variations of the microwave signatures of sea ice during late spring and early summer near Mould bay NWT [1985, p.5063-5074, eng] 39-3438
- Grenier, J.C.**
Hailstone growth trajectories in the dynamic evolution of a moderate hailstorm [1983, p.1008-1021, eng] 39-2081
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Bacterial populations of the Beaufort Sea [1984, p.327-345, eng] 39-1883
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Distributional patterns of fishes in an Alaskan Arctic lagoon [1985, p.9-18, eng] 39-3555
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Mass loss in a forested bog: relation to hummock and hollow microrelief [1985, p.375-378, eng] 39-3585
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- Grigorian, A.A.**
Pile foundations of buildings and structures on sagging ground [1984, 162p., rus] 39-2239
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Brillouin scattering from H₂O: liquid, ice VI, and ice VII [1983, p.6409-6412, eng] 39-1063
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Experimental modular transformer sub-stations [1984, p.23-24, rus] 39-1256
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Problem of full-scale study of the morphology of hummocks in Arctic ice and the possibilities of modeling hummocking processes [1984, p.71-78, eng] 39-690
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Mudflow and avalanche danger in mountainous and gullied areas of the Ukrainian SSR [1984, p.88-95, rus] 39-911
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Microstructure of the ice flow velocity field from measurements on Medvezhiy Glacier [1984, p.192-174, rus] 39-2790
- Gritsenko, A.I.**
Drilling and operation of gas wells in the presence of natural gas hydrates [1984, p.167-172, eng] 39-2150
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Thermophysical properties of natural gas hydrates and the quartz sand saturated with them [1984, p.26-30, rus] 39-324
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Radio-echo logging of a well drilled in the Fritjof Glacier, Spitsbergen [1984, p.198-203, rus] 39-2791
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Low cost road tunnel developments in Norway [1983, p.31-37, eng] 39-316
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Isotopic diffusion in cold snow and firn [1985, p.3910-3918, eng] 39-2989
Ross Ice Shelf oxygen isotope profile at J-9 [1983, p.107-109, eng] 39-7
Tropical glaciers: potential for ice core paleoclimatic reconstructions [1984, p.4638-4646, eng] 39-759
- Grossi, S.M.**
Influence of light on development and growth of sea-ice microbial communities in McMurdo Sound [1983, p.177-179, eng] 39-308
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Design and model testing of an Arctic seawater intake for sedimentation and wave effects [1985, p.714-722, eng] 39-3217
- Grossackie, N.E.**
Retention and release of chemical species by a northern Michigan snowpack [1984, p.303-319, eng] 39-1571
- Grosvald, M.G.**
A "Marine" ice cap in south Beringia (a working hypothesis) [1984, p.128-146, eng] 39-1654
Glacial erosion of continental margins (the origin of fiords and troughs within glaciated shelves) [1984, p.113-127, eng] 39-1653
Glaciation of the continental shelves (Part I) [1984, p.194-258, eng] 39-3884
Glaciation of the continental shelves (Part II) [1984, p.287-351, eng] 39-4057
Origin of "inundated shore lines" of glaciated North Atlantic shelves [1982, p.125-133, rus] 39-757
- Grov, E.**
Description of some concepts for exploratory drilling in Sub-Arctic and Arctic waters [1985, p.143-154, eng] 39-2407
- Grover, R.**
Loss of fall-applied 2,4-D spring runoff from a small agricultural watershed [1983, p.412-414, eng] 39-622
- Groves, J.**
Evaluating Landsat imagery for determining sediment concentration: Prudhoe Bay, Alaska [1984, p.16-21, eng] 39-2871
- Grudin, G.V.**
Present state of snow cover and its possible changes during the formation of KATEK (Kan-Achinsk Fuel-Energy Complex) [1984, p.132-142, rus] 39-3345
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Adaptation of legumes to the Far North [1984, p.40-43, rus] 39-2643
Biogenic accumulation of nitrogen in plants of tundra zone (exemplified by the ecosystems of Bol'shezemel'skaya tundra) [1984, 32p., rus] 39-1396
- Grupo periglacial argentino**
Proceedings of the second meeting [1984, 249p., spa] 39-3938
- Gruppo Ricerca Geomorfologia CNR**
Report on current geomorphological research on Cevedale Mountain (Central Alps, Italy) [1983, p.56-60, fre] 39-620
- Gryte, C.C.**
Formation of anisotropic ice-agar composites by directional freezing [1984, p.589-595, eng] 39-2064
- Gu, Z.**
Experiment on radio-echo sounding of a mountain glacier [1980, p.37-39, chi] 39-3699
- Gubler, H.**
Comparison of snow drifting measurements at an alpine ridge crest [1984, p.131-141, eng] 39-338
Electrical, optical and acoustical properties of snow [1981, p.111-124, eng] 39-2260
Model for dry snow metamorphism by interparticle vapor flux [1985, p.881-8092, eng] 39-4007
Use of microwave FMCW radar in snow and avalanche research [1984, p.109-119, eng] 39-336
- Gudkovich, Z.M.**
Effect of tangential wind and water stresses on fast ice [1984, p.99-110, eng] 39-693
Problems of investigating sea ice [1984, p.57-65, eng] 39-3669
- Gudoshnikov, S.V.**
Geographic analysis of mosses growing in dark-conifer mountain taiga of southern Siberia [1981, p.37-39, rus] 39-42
- Gudovskaya, E.N.**
Influence of stratospheric circulation, water temperature in the northern Atlantic Ocean, and clouds over the Atlantic, on the dates of ice appearance on rivers of the European part of the USSR [1984, p.17-30, rus] 39-435
- Gudze, A.A.**
Features of floating drilling rigs designed for northern conditions [1984, p.3-4, eng] 39-1336
- Guetter, P.J.**
Sensitivity of late-glacial and Holocene climates to the combined effects of orbital parameter changes and lower boundary condition changes: "snapshot" simulations with a general circulation model for 18, 9 and 6 ka BP [1984, p.85-87, eng] 39-178
Guide to winter maintenance equipment and materials [1984, p.15-37, eng] 39-2729
- Guigne, J.Y.**
Review of deep water scours in the Davis Strait and its relevance to present-day activity [1985, p.155-167, eng] 39-3762
- Gukasian, A.B.**
Microbe associations in forest biogeocenoses [1983, 122p., rus] 39-956
- Guletskii, V.V.**
Allowing for the settlement of embankments built on sagging bases [1984, p.8, rus] 39-1254
- Gulf Canada's Beaufort Sea drilling system**
Gulf Canada's Beaufort Sea drilling system [1982, p.20-23, eng] 39-1475
- Guliev, I.U.N.**
Probable dates of the first (fall) and the last (spring) cases of ice-hoarfrost phenomena [1984, p.33-38, rus] 39-2250
- Gul'ko, E.F.**
Stress-strain condition and the assessment of slope stability in areas of complex geological structure under various temperature regimes [1984, p.300-305, eng] 39-2177
- Gunderson, P.**
Provision of utilities and services for single-family housing areas [1984, p.3-31, nor] 39-734
- Gundestrup, N.**
Ice flow leading to the deep core hole at Dye 3, Greenland [1984, p.185-190, eng] 39-196
- Gundestrup, N.S.**
Battery powered, instrumented deep ice core drill for liquid filled holes [1985, p.19-22, eng] 39-3562
Bedrock topography of the Greenland ice sheet in the Dye 3 area [1985, p.49-56, eng] 39-3566
Bore-hole survey at Dye 3, south Greenland [1984, p.282-288, eng] 39-3776
- Gundobin, G.M.**
Exploration of dispersion streams under permafrost conditions [1984, p.102-108, rus] 39-1201
- Guntén, H.R. von**
Dating of ice cores from Vernagtferner (Austria) with fission products and lead-210 [1983, p.37-45, eng] 39-46
- Gunzelman, S.X.**
Deep water Bering Sea development concepts [1985, p.971-979, eng] 39-3236
- Guo, D.**
Thermal state and stability of tunnel in Tumengela coalmine, Xizang [1980, p.46-50, chi] 39-3701
- Guo, F.**
Ancient rock sea in Shennongjia Mountain [1983, p.67-70, chi] 39-269
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On the classification of ground water in the permafrost area in Qilian Shan [1984, p.79-84, chi] 39-936
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Preliminary study on Quaternary climate in China [1984, p.49-59, chi] 39-933
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Improved ice control with better understanding of thermal regime of the international section of St. Lawrence River [1984, p.371-386, eng] 39-1472
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Subgrades built of water-logged soils with vertical drains [1984, p.4-5, rus] 39-2851
- Gurevich, V.I.**
Photographic anomalies on satellite photographs of the western Arctic shelf [1984, p.94-108, rus] 39-1111
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Methods of measuring rock temperature during construction and operation of underground structures [1984, p.71-83, rus] 39-3302
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Box-jenkins transfer function models applied to suspended sediment concentration-discharge relationships in a proglacial stream [1984, p.93-106, eng] 39-408

- Gusev, A.M.
Course in general geophysics. Fundamentals of oceanology (1983, 247p., rus) 39-3525
- Gusev, A.V.
Study of the elastic properties of sea ice in the Bering Sea (1982, p.180-185, eng) 39-2741
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Current increment of spruce stands in the Far North (1984, p.5-8, rus) 39-1253
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Ukrainian construction workers to the working people of Tyumen' (1984, p.7-9, rus) 39-790
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Geocryological peculiarities of perennially frozen strata in oil and gas fields of the Far North (1983, p.88-96, rus) 39-1157
- Gus'kov, A.S.
Fluctuation of snow reserves on Spitsbergen (1984, p.185-188, rus) 39-2788
- Gustafson, K.
Highway snow and ice control. State-of-the-art (1985, 124p., eng) 39-3794
Highway snow and ice control; state-of-the-art (1984, 102p., swe) 39-2870
- Gutry-Korycka, M.
Principles of interception process model during a winter season (1984, p.4.1-4.37, eng) 39-1291
- Guymon, G.L.
Application of the finite-element method for simulation of surface water transport problems (1972, 105p., eng) 39-2636
Simple model of ice segregation using an analytic function to model heat and soil-water flow (1984, p.515-520, eng) 39-1053
Two-dimensional model of coupled heat and moisture transport in frost-heaving soils (1984, p.336-343, eng) 39-24
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Estimating the service life of reinforced concrete structures at low temperatures (1984, p.9-10, rus) 39-1558
Kinetics of fracture development in structural elements subjected to simultaneous, cyclic freezing and bending stresses (1985, p.35-36, rus) 39-2861
- Gudrahvili, T.G.
Heterogeneous ice nucleation (1984, 140p., rus) 39-2100
- Hagenson, P.L.
Model of oxygen isotope composition of precipitation: implications for paleoclimate data (1984, p.4647-4655, eng) 39-760
- Hanne, G.
Marine geology, SEA BEAM and 3.6 kHz measurements during the German Antarktis II/4 Expedition (1984, p.129-136, eng) 39-1609
- Haberland, C.
Heat transfer and boundary-layer laws in strongly non-adiabatic turbulent flows (1983, p.707-717, eng) 39-3968
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Internal wave forces on ice keels in the marginal ice zone: some preliminary laboratory results (1984, p.83-89, eng) 39-373
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Creep of mountain permafrost: internal structure and flow of alpine rock glaciers (1985, 142p. + map, eng) 39-2912
Electrical resistivity soundings of glacier beds: a test study on Grubengletscher (1984, p.373-376, eng) 39-3791
First experiences with the U.S. Geological Survey monopulse radio-echo-sounder in firn, ice and permafrost of the Swiss Alps (1983, p.61-72, eng) 39-1633
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Case study of a mesoscale disturbance at Filchner Station (1985, p.96-103, ger) 39-2812
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Some observations on ground temperatures and transport processes at a nivation site in northern Norway (1985, p.27-37, eng) 39-3587
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- Hallet, B.
Theoretical model of the fracture of rock during freezing (1985, p.336-346, eng) 39-3097
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Epitaxial ice crystal growth on covellite (CuS), Pts. 1 and 2 (1984, p.317-334, eng) 39-3138
- Hallikainen, M.
Dielectric behavior of snow in the 3-37 GHz range (1984, p.169-174, eng) 39-2534
Dielectric measurements and modeling snow in the 3- to 37-GHz range (1984, p.201-220, eng) 39-2962
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Satellite microwave radiometry of snow cover (1985, p.1404-1414, eng) 39-3708
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Method for producing and storing sand coated with calcium chloride (1981, 4 col., eng) 39-3855
- Hamlyn, D.
Response of concrete shell panels to simulated impact (1985, p.653-670, eng) 39-3213
Response studies of concrete shell panel models to simulated bergy-bit impact (1984, p.127-138, eng) 39-3476
- Hammer, C.U.
Continuous impurity analysis along the Dye 3 deep core (1985, p.90-94, eng) 39-3572
- Hampton, M.A.
Geological interpretation of cone penetrometer tests in Norton Sound, Alaska (1982, p.223-230, eng) 39-1044
- Hanza, H.
Analysis of the viscoelastic fracture toughness and crack growth in ice (1984, p.249-258, eng) 39-401
Critical strain energy as a failure and crack propagation criterion for ice (1984, p.1-17, eng) 39-1751
Numerical algorithm to predict the visco-elastic response of ice under different loading conditions (1985, p.177-185, eng) 39-2411
Study of the creep effect upon the response of a pressure sensor embedded in an ice sheet (1984, p.97-107, eng) 39-335
Winter ice forces on large offshore structures (1985, p.286-293, eng) 39-2426
- Hau, E.H.Y.
Bering Sea crude oil transportation systems (1985, p.989-997, eng) 39-3237
- Hau, V.
Preliminary discussion on influence of Tarim Basin upon the glacier development in southern Tian Shan Mountains (1984, p.61-70, chi) 39-934
- Hanamoto, B.
Aerostat icing problems (1983, 29p., eng) 39-874
- Hanegger, D.G.
Wind-induced vibration of aboveground Arctic pipelines (1985, p.646-652, eng) 39-2386
- Haneman, V.
Arctic research needs in civil engineering (1985, 19pp., eng) 39-3715
- Hanley, S.T.
SNOW-ONE-B ASL/SMART measurements (1983, p.249-278, eng) 39-1960
- Hanley, T.O.
Field study of rough shore-fast sea ice (1984, p.230-234, eng) 39-1680
- Hanninen, J.
Shear strength and adhesion properties of saline ice (1984, 35p., fin) 39-1022
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Floor-elevated summer quarters at Syowa Station (1983, p.348-353, eng) 39-2623
- Tentative proposal of snow tunnel construction procedure for a subsurface observation station in the Antarctic (1985, p.120-130, jpn) 39-3607
- Hansen, A.
Problems associated with wave propagation in geologic materials with snow as an example (1984, p.699-723, eng) 39-1146
- Hansen, B.L.
Bore-hole survey at Dye 3, south Greenland (1984, p.282-288, eng) 39-3776
- Hansen, C.N.
Protecting pavement or concrete materials against the effects of the destructive action of freezing and thawing of water or brine solutions (1978, 24 col., eng) 39-3852
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New records of terricolous microlichens from Southeast Greenland (1985, p.49-57, eng) 39-2724
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Microthermal observations in Arctic vegetation (1973, 32p., eng) 39-952
- Hansen, S.B.
Temporal and spatial variation of snow pressure on structures (1985, p.166-171, eng) 39-3684
- Hausman, R.J., Jr.
Droplet size distribution effects on aircraft ice accretion (1985, p.503-508, eng) 39-4051
- Hanson, A.
Fast ice sheet deformation during ice-push and shore ice ride-up (1984, p.137-157, eng) 39-1874
- Hara, S.
Choanoflagellates in the antarctic ocean, with special reference to *Favosicicula socialis* (Meunier) Deflandre (1984, p.1-13, eng) 39-1067
- Hardy (R.M.) and Associates, Ltd.
Additional frost heave testing on Caen silt (1984, 6p. + append., eng) 39-565
- Haren, J.
Isotopic composition of ice and subglacially precipitated calcite in an alpine area (1983, p.151-159, eng) 39-102
- Harrison, D.J.
Instrumented auger for vertical survey of ice "hardness" (1984, p.385-392, eng) 39-1819
- Harper, J.
Analysis of Landsat MSS data for characterizing sediment dispersal in the Beaufort Sea (1984, p.283-291, eng) 39-3444
- Harper, J.R.
Shore-zone ice scour statistics: Implications to coastal development (1985, p.223-230, eng) 39-3766
- Harris, C.
Englacial deltaic sediments as evidence for basal freezing and marginal shearing, Leirbreen southern Norway (1984, p.30-34, eng) 39-239
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New creep equation for frozen soils and ice (1984, p.271-275, eng) 39-404
Some applications of artificial ground freezing to foundation engineering (1984, p.1-6, eng) 39-3407
- Harris-Lowe, R.F.
Comparison of calibrated temperature sensors: 4-300 K (1984, p.531-535, eng) 39-2714
- Harris, M.G.T.
Submarine navigation (1985, p.311-320, eng) 39-3678
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Stratigraphy and structure of a coastal sediment wedge of glacial origin inferred from sparker measurements in glacial Lake Jokulsarlón in southeastern Iceland (1982, p.37-47, eng) 39-982
- Harrison, W.D.
Geothermal effects of 18 ka BP ice conditions in the Swiss plateau (1984, p.56-60, eng) 39-173
Impact of glaciers on long-term basin water yield (1984, p.51-59, eng) 39-2447
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Shallow snow model for predicting vehicle performance (1981, 21p., eng) 39-1261
Snowpack ground truth measurements. 3. Snowpack profile characterization (1984, p.153-160, eng) 39-2958
- Harry, D.G.
Ice wedges and permafrost conditions near King Point, Beaufort Sea coast, Yukon Territory (1985, p.111-116, eng) 39-2327
- Hartman, M.F.
All-weather millimeter wave imagery in the marginal ice zone (1984, p.862-870, eng) 39-1909
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Application of multisensor observations to Great Lakes hydrologic forecast models (1985, p.1129-1140, eng) 39-3706
- Hartmann, U.
Unidirectional freezing of binary aqueous solutions: an analysis of transient diffusion of heat and mass (1985, p.761-769, eng) 39-3925
- Hartwig, G.
Nonmetallic materials and composites at low temperatures. 2. Proceedings (1982, 39pp., eng) 39-529
- Hase, H.
Further ESR study of irradiated D2O ice. On the nature of the species appeared at $g = 2.08$ (1983, p.3216-3218, eng) 39-1582

- Hashimoto, O.
Materials for tension leg platform tethers (1985, p.351-356, eng) 39-2435
- Hastearuth, S.
Net balance, surface lowering, and ice-flow pattern in the interior of Lewis Glacier, Mount Kenya, Kenya (1983, p.392-402, eng) 39-201
Tropical glaciers: potential for ice core paleoclimatic reconstructions (1984, p.4638-4646, eng) 39-759
- Hastings, R.
Northern ecology and resource management (1984, 438p., eng) 39-2262
- Hatfield, P.S.
Some aspects of the Naval Architecture of Arctic structures and vessels (1984, 7p., eng) 39-1851
- Hattori, I.
Hydraulic conveying of snow. 2. Snow feeder to pipelines (1984, p.51-58, jpn) 39-495
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Effects of cold weather construction on the compressive strength of concrete masonry walls (1984, p.566-571, eng) 39-2872
- Hampton, E.G.
Thermal design aspects of a mobile Arctic drilling platform (1984, 14p. + figs., eng) 39-1857
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4th report of working group on testing methods in ice (1984, p.1-41, eng) 39-3494
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Coverage coefficient for calculating ice volume generated (1984, p.211-224, eng) 39-1465
LaGrande River a full scale ice hydraulics laboratory (1984, p.277-290, eng) 39-1776
- Haves, D.B.
B.C. Hydro Homathko development generation: Landsat based mapping of snow cover and vegetation cover (1984, var.p. + 2 maps, eng) 39-1143
- Hayder, M.E.
Possible explanation of differences between Pre- and Post-Jaramillo ice sheet growth (1982, p.599-604, eng) 39-1909
- Hayes, L.J.
Treatment of numerical oscillations in heat and mass transfer problems with "fronts" (1983, p.337-346, eng) 39-1277
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Airborne microwave measurements of the southern Greenland ice sheet (1985, p.1983-1994, eng) 39-1912
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Comparison of observations and macroclimatic model estimates of monthly winter soil temperatures at Ottawa (1985, p.109-122, eng) 39-2758
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Geotechnical and engineering significance of subsea permafrost (1984, p.93-95, eng) 39-2135
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Density functional theory of freezing: results and high-density artifacts (1985, p.887-889, eng) 39-3898
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Laboratory tests and analysis of thermosyphons with inclined evaporator sections (1985, p.31-37, eng) 39-2392
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Milankovitch and climate (1982, 895p. in 2 vols., eng) 39-1903
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Glacier fluctuations in South Georgia, 1883-1974 (1983, p.47-61, eng) 39-1360
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Tidal currents and eddy statistics from iceberg trajectories off Labrador (1985, p.1333-1335, eng) 39-1941
- Hazlegrove, B.M.
Technical considerations for Beaufort Sea pipelines (1985, p.774-782, eng) 39-3222
- Hawley, A.J.
Technical considerations for Beaufort Sea pipelines (1985, p.774-782, eng) 39-3222
- Hesters for vehicles and aircraft in Arctic environments
Heaters for vehicles and aircraft in Arctic environments (1981, c100p., eng) 39-569
- Hebert, D.
C-14 dating of plants and penguin guano in the region around Moloedzhnaya (Antarctica) and glaciological implications (1983, p.64-73, ger) 39-788
Tritium in antarctic precipitation—information on global distribution (1984, p.7-22, eng) 39-127
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Examination of the feasibility for demonstration and use of radioluminescent lights for Alaskan remote runway lighting (1984, 73p. + appendix, eng) 39-2899
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Cumulative index to permafrost conference proceedings, 1958-1983 (1985, 215p., eng) 39-2701
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Formation of monodisperse lead aerosols and identification of particle number concentration by ice nucleation (1982, p.251-258, eng) 39-1656
- Heidem, N.Z.
Components of the Arctic aerosol (1984, p.329-343, eng) 39-2478
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Observations on ice layers (1984, p.271-278, eng) 39-1224
- Heikkinen, O.
Dendrochronological evidence of variations of Coleman Glacier, Mount Baker, Washington, U.S.A. (1984, p.53-64, eng) 39-605
- Heilbrunn, T.D.
Morphology of some periglacial features on South Georgia and their relationship to local environment (1984, p.21-36, eng) 39-138
- Heim, D.
Push moraine genesis through the formation of a "glacier foot" at Kötlyökull, south Iceland (1984, p.21-36, ger) 39-3374
- Heim, R., Jr.
Variations in Northern Hemisphere snow cover utilizing digitized weekly charts derived from satellite imagery, 1967-1980 (1982, p.157-165, eng) 39-3422
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Size-segregated measurements of particulate elemental carbon and aerosol light absorption at remote Arctic locations (1982, p.2461-2469, eng) 39-1660
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Freeze crystallization (1979, p.72-82, eng) 39-277
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Basic investigations on mush ice (1984, p.37-55, eng) 39-3469
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Spreading agent for reducing slipperiness on snow and ice (1983, 6p., ger) 39-4013
- Hempel, G.
Expedition "Arktis 2" on the R.V. *Polarstern* with the cooperation of the R.V. *Valkdivia* and research aircraft *Falcon 20* to MIZEX in 1954 (1984, 192p., eng) 39-1469
R.V. *Polarstern*: Polar research and supply vessel of the F.R.G. (1983, p.115-118, eng) 39-2602
Why polar research (1984, p.577-584, ger) 39-3135
- Hemstrom, M.A.
Fire and other disturbances of the forests in Mount Rainier National Park (1982, p.32-51, eng) 39-2906
- Hendel, D.
Isotopic variations of hydrogen, carbon and nitrogen in the lower plant forms of the Schirmacher Ponds (East Antarctica) (1984, p.54-59, rus) 39-1011
- Hendershot, W.H.
Comparison of Canadian and American classification systems for some Arctic soils of the Ungava-Labrador Peninsula (1985, p.283-291, eng) 39-3583
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Sensitivity of a thermodynamic sea ice model to changes in surface albedo parameterization (1985, p.2243-2250, eng) 39-3996
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Detection of buried utilities. Review of available methods and a comparative field study (1984, 36p., eng) 39-2918
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Airborne microwave measurements of the southern Greenland ice sheet (1985, p.1983-1994, eng) 39-1912
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Isotope-glaciological situation in the surroundings of the Schirmacher Oasis/Dronning Maud Land—a first overview (1984, p.87-102, eng) 39-129
Isotope-hydrological and hydrochemical studies of the interior antarctic lake "Untersee" in the Wohlthat Massif, Dronning-Maud Land (East Antarctica) (1984, p.75-86, eng) 39-128
Lake Untersee, a first isotope study of the largest freshwater lake in the interior of East Antarctica (1985, p.131-133, eng) 39-3888
- Herron, M.M.
Chloride, nitrate, and sulfate in the Dye 3 and Camp Century, Greenland ice cores (1985, p.77-84, eng) 39-3570
- Herron, S.L.
Ultrasonic velocities and crystalline anisotropy in the ice core from Dye 3, Greenland (1985, p.23-31, eng) 39-3563
- Hershey, E.E.
SHADS: mobile Arctic drilling platform (1985, p.498-506, eng) 39-3199
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Blending the old with the new to fight winter storms (1982, p.48-49, eng) 39-1663
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Design, installation, and performance of a berm-supported exploration structure in the Beaufort Sea (1985, p.188-194, eng) 39-3288
Design, installation, and performance of a berm supported exploration structure in the Beaufort Sea (1985, p.105-113, eng) 39-2402
- Hewlett, C.
Caisson drilling and completion system (1984, 17p. + 19 figs., eng) 39-1867
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Temperature dependence of secondary ice crystal production during soft hail growth by riming (1984, p.765-770, eng) 39-145
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Method of production of pourable salt (1982, 7p., ger) 39-3973
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Antarctic inland waters (1984, p.279-344, eng) 39-1186
Antarctic marine flora (1984, p.373-419, eng) 39-1188
- Hibberd, S.
Model for pollutant concentrations during snow-melt (1984, p.58-65, eng) 39-243
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East Greenland Sea ice variability in large-scale model simulations (1984, p.9-14, eng) 39-362
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MIZEX 83 mesoscale sea ice dynamics: initial analysis (1984, p.19-28, eng) 39-1126
MIZEX—a program for mesoscale air-ice-ocean interaction experiments in Arctic marginal ice zones. 3. Modeling the marginal ice zone (1984, 99p., eng) 39-360
Model simulation of 20 years of northern hemisphere sea-ice fluctuations (1984, p.170-176, eng) 39-193
Numerical simulation of Northern Hemisphere sea ice variability, 1951-1980 (1985, p.4847-4865, eng) 39-3431
On the rheology of a broken ice field due to floe collision (1984, p.29-34, eng) 39-1127
On the role of ice interaction in marginal ice zone dynamics (1984, p.23-29, eng) 39-364
- Hickey, K.J.
Radar propagation and backscattering predictions for a CODAR system operating in brackish waters (1984, 123p., eng) 39-832
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Environmental pollution of chlorinated hydrocarbons in the Antarctic (1984, p.9-14, jpn) 39-2274
Fate of DDTs, PCBs and chlordanes compounds in the antarctic marine ecosystem (1984, p.151-161, eng) 39-1070
- Hicks, E.
Spreading agent for removing or preventing slippery surface on snow and/or ice (1974, 4 col. + fig., ger) 39-4010
- Hignault, A.
Mechanical properties of Dye 3 Greenland deep ice cores (1984, p.1-8, eng) 39-163
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Further ESR study of irradiated D2O ice. On the nature of the species appeared at $g = 2.08$ (1983, p.3216-3218, eng) 39-1582
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Method for producing and storing sand coated with calcium chloride (1981, 4 col., eng) 39-3855
- Highway superintendents discuss winter maintenance
Highway superintendents discuss winter maintenance (1982, p.48-49, eng) 39-1664
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Ice forces on port structures resulting from moving ships (1985, p.1215-1223, eng) 39-3254
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Analysis of Landsat MSS data for characterizing sediment dispersal in the Beaufort Sea (1984, p.283-291, eng) 39-3444
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Creep deformation of slope sediments in the Canadian Beaufort Sea (1982, p.163-170, eng) 39-1043
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Use of microwave FMCW radar in snow and avalanche research (1984, p.109-119, eng) 39-336
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Sensitivity of general circulation models (1983, p.181-192, eng) 39-3149
- Hindman, E.E.
Measurements of cloud nuclei in the effluents from launches of liquid- and solid-fueled rockets (1982, p.1323-1331, eng) 39-2216
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Pavement deicer (1970, 6 col. + figs., eng) 39-3839
- Hinze, H.
Determination of glacier ice drift parameters using satellite measurements in the Antarctic (1984, p.176-186, ger) 39-1026
- Hites, R.A.
Extractable organic compounds in Midwest rain and snow (1982, p.2169-2175, eng) 39-1659
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Ice management to support the Kulluk drilling vessel (1984, p.40-46, eng) 39-1145
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Effect of seasonal soil conditions on the reliability of the M15 land mine (1984, 35p., eng) 39-562
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Seasonal pack ice characteristics in the shear zone of the Beaufort Sea based on data from an upward looking sonic profiler (1978-1979) (1980, 45p. + appendix, eng) 39-4023
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Ecology of tundra ponds of the Arctic Coastal Plain: a community profile (1984, 52p., eng) 39-1895

- Hoberg, C.
New map "Nördliches Bockkarkes 1979", 1:100,000 [1983, p.163-171, eng] 39-1966
- Hoch, D.M.
Sea ice characteristics in the nearshore environment [1983, p.2(1)-2(15), eng] 39-2442
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Dynamic global forces on an offshore structure from multi-year ice floe impacts [1985, p.202-210, eng] 39-3173
Influence of artificial island side-slopes on ice-ride-up and pile-up [1985, p.185-192, eng] 39-3171
Validation of the CICE code for ice ride-up and ice ridge cone interaction [1985, p.962-960, eng] 39-3235
- Hodge, R.E.
Winterizing a pipeline [1984, p.20-25, eng] 39-2481
- Hofer, H.
Atmospheric CO₂ concentration during the last glaciation [1984, p.160-164, eng] 39-191
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Microwave emission properties of snow for monitoring hydrological parameters [1980, p.157-161, eng] 39-3133
- Hoffman, J.S.
Estimates of future sea level rise [1984, p.79-103, eng] 39-2992
Projecting future sea level rise. Methodology, estimates to the year 2100, and research needs [1983, 121p., eng] 39-1392
- Hoffmann, G.
Influence of urban ice and snow control without salt on traffic safety and flow. Part 1: Skidding coefficients on lanes after spraying mineral material against snow and ice [1985, p.139-146, ger] 39-3894
Influence of urban ice and snow control without salt on traffic safety and flow. Part 2: Behavior of drivers on city main streets in winter [1985, p.205-210, ger] 39-3895
- Hofreiter, G.
Natural gamma logging of borehole I on Vernagtferner (Oetzal Alps, Austria) [1983, p.47-52, eng] 39-47
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On the interaction of aerosol with meteorology [1984, p.41-67, eng] 39-400
Particle concentrations at the South Pole, on meteorological and climatological time scales; is the difference important [1984, p.850-853, eng] 39-282
- Hoggeboom, H.G.
Design, installation, and performance of a berm supported exploration structure in the Beaufort Sea [1985, p.105-113, eng] 39-2402
Design, installation, and performance of a berm-supported exploration structure in the Beaufort Sea [1985, p.188-194, eng] 39-3288
- Hogg, L.
Snow avalanche frequency and velocity for the Kananaskis Valley in the Canadian Rockies [1985, p.141-151, eng] 39-2357
- Holthansen, J.
Measurements and analysis of ice pressure against a structure in level ice and in pressure ridges [1984, p.151-160, eng] 39-3478
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Some results from a mathematical model predicting ice lensing and frost heave [1984, p.19-28, eng] 39-3410
- Holdsworth, G.
Glaciological reconnaissance of an ice core drilling site, Penny Ice Cap, Baffin Island [1984, p.3-15, eng] 39-236
- Hollinger, J.P.
All-weather millimeter wave imagery in the marginal ice zone [1984, p.862-870, eng] 39-1909
Microwave emission from High Arctic sea ice during freeze-up [1984, p.8104-8122, eng] 39-217
Millimeter wave radiometric images of the marginal ice zone [1984, p.353-358, eng] 39-2537
- Hollings, J.
Ice-structure interaction of an offshore platform [1985, p.230-238, eng] 39-3176
- Holloway, G.
Influence of marginal ice cover on storm surges [1985, p.329-336, eng] 39-3036
- Holmes, I.E.B.
Modular ISO sea container caravan for antarctic use [1983, p.303-307, eng] 39-2619
Rebuilding of Australia's 3 antarctic stations, Parts 1-3 [1983, p.214-273, eng] 39-2616
Review of Australian antarctic logistics field programs and equipment [1983, p.78-85, eng] 39-2596
Support of construction activities during rebuilding of Australia's antarctic stations [1983, p.274-279, eng] 39-2617
Waste disposal at Australian antarctic stations [1984, p.308-315, eng] 39-2346
- Holsten, D.B.
Borrow resource studies in near-shore areas of Alaska's North Slope [1985, p.626-633, eng] 39-3210
- Holt, B.
Processes and imagery of first-year fast sea ice during the melt season [1985, p.5045-5062, eng] 39-3437
Science program for an imaging radar receiving station in Alaska [1983, 45p., eng] 39-3415
- Holt, E.T.
Sea ice data buoys in the Weddell Sea [1984, 18p., eng] 39-384
Surface roughness of Ross Sea pack ice [1983, p.123-124, eng] 39-16
- Holt, T.
Cryospheric impacts of Soviet river diversion schemes [1984, p.61-68, eng] 39-174
- Honegger, D.G.
Wind-induced fatigue damage estimated for surface oil pipelines in the Arctic [1985, p.49-53, eng] 39-4049
- Hong, R.
Low-temperature effects on flow in sand-bed streams [1983, p.128-138, chi] 39-275
Low-temperature effects on flow in sand-bed streams [1984, p.109-125, eng] 39-612
- Hong, Y.S.
Rain/snow impact erosion of high velocity projectile [1980, p.2-8, kor] 39-1723
- Hooke, R.L.
Near-surface temperatures near and below the equilibrium line on polar and subpolar glaciers [1983, p.1-25, eng] 39-1630
On the role of mechanical energy in maintaining subglacial water conduits at atmospheric pressure [1984, p.180-187, eng] 39-1673
- Hoover, M.
Digital processing of passive K(a)-band microwave images for sea-ice classification [1984, 34p., eng] 39-1720
- Hopkins, D.M.
Dated wood from Alaska and the Yukon: implications for forest refugia in Beringia [1981, p.217-249, eng] 39-2448
Subsea permafrost distribution on the Alaskan shelf [1984, p.75-82, eng] 39-2131
- Hoppe, F.
Landsat images of Antarctica [1981, p.637-647, eng] 39-1531
- Horiguchi, K.
Role of heat and water transport in frost heaving of fine-grained porous media under negligible overburden pressure [1984, p.93-102, eng] 39-1936
- Horlick, J.
Proficiency testing for thermal insulation materials in the National Voluntary Laboratory Accreditation Program [1983, p.497-506, eng] 39-1233
- Horn, R.D.
Experimental studies of nucleation by dry ice [1982, p.1567-1570, eng] 39-2217
- Horne, E.P.W.
Comment on "Ice-induced vertical circulation in an Arctic fiord" by Edward P.W. Horne [1985, p.5011-5013, eng] 39-3434
Ice-induced vertical circulation in an Arctic fiord [1985, p.1078-1086, eng] 39-2362
- Horne, R.A.
Water and aqueous solutions: structure, thermodynamics, and transport processes [1972, 837p., eng] 39-805
- Hornor, R.
Phytoplankton abundance, chlorophyll a, and primary productivity in the western Beaufort Sea [1984, p.295-310, eng] 39-1881
- Horsburg, U.
Finite element method for coupled heat and water movement in a partially frozen soil [1983, p.162-170, eng] 39-3966
- Hoshino, T.
Marine biological data of BIOMASS programme at Syowa Station in the 1982 winter (JARE-23) [1985, 113p., eng] 39-3424
- Hoskins, C.M.
Iron in surface and subsurface waters, Grizzly Bear, south-eastern Alaska [1972, 15p., eng] 39-2633
- Hosoya, M.
Antarctic snow vehicle [1985, p.26-35, jpn] 39-3603
- Hetzl, I.S.
Physical dimensions of icebergs in the Labrador Sea [1985, p.103-113, eng] 39-3758
Relationships between measured iceberg dimensions [1985, p.114-129, eng] 39-3759
- Houbek, N.
Finite element modelling of heat and mass transfer in porous media [1983, p.173-183, eng] 39-3967
- Heude, J.
Microcracking of concrete submitted to premature freezing [1984, p.1424-1427, eng] 39-113
- Hummel-Nielsen, M.
Glacial stratigraphy east of the Main Stationary Line of Denmark [1981, p.61-76, dan] 39-973
- Howard, D.
Ice forces on port structures resulting from moving ships [1985, p.1215-1223, eng] 39-3254
Segmented icebreaking ship model testing technique development [1984, p.255-265, eng] 39-3486
- Howard, L.M.
Beaufort Sea, Mackenzie Delta, Mackenzie Valley, and northern Yukon: a bibliographical review [1984, 310p., eng] 39-3897
Cold ocean engineering bibliography [1984, 169p., eng] 39-395
- Hewarth, D.A.
Analysis of the variability of cyclones around Antarctica and their relationship to sea ice extent [1983, p.519-537, eng] 39-362
- Hoyer, M.
Geophysical and glaciological investigations in the vicinity of Filchner and Georg von Neumayer Stations during the 1983/84 field season [1984, p.64-70, ger] 39-1683
- Hromadka, T.V., II
Analyzing numerical errors in domain heat transport models using the CVBEM [1985, p.22-30, eng] 39-2391
Simple model of ice segregation using an analytic function to model heat and soil-water flow [1984, p.515-520, eng] 39-1053
Two-dimensional model of coupled heat and moisture transport in frost-heaving soils [1984, p.336-343, eng] 39-24
- Hurtford, B.F.
Mobility of lichen compounds from *Gladonia mitis* in arctic soils [1984, p.40-45, eng] 39-484
- Hsiao, S.L.C.
Checklist of marine phytoplankton and sea ice microalgae recorded from Arctic Canada [1983, p.225-313, eng] 39-1742
- Hsu, T.M.
Some characteristics of welds in steels used in Arctic offshore structures and ships [1984, 16p. + figs., eng] 39-1880
- Hu, C.-K.
Bond-correlated percolation model and the unusual behaviour of supercooled water [1983, p.L321-L326, eng] 39-586
- Huang, J.
Glaciers of China [1984, p.85-93, chi] 39-937
- Huang, M.
A surging advance of Balt Bare glacier, Karakoram Mountains [1984, p.76-83, eng] 39-2301
General situation of lichenometry research abroad [1984, p.85-93, chi] 39-3324
- Huang, S.C.
Analytical solution for the buoyancy flow during the melting of a vertical semi-infinite region [1985, p.1231-1233, eng] 39-4022
- Huang, Y.
Experiment on radio-echo sounding of a mountain glacier [1980, p.37-39, chi] 39-3699
- Huang, Y.F.
Cold Weather Transit Technology Program. Volume 9—Ice formation precursor research [1983, 81p., eng] 39-2677
- Hubbard, G.
Design of the icebreaking supply ship *Robert LeMew* [1984, p.134-146, eng] 39-462
- Huber, A.
Possible effects of snow and ice avalanches on artificial and natural lakes [1984, 12p., ger] 39-1243
- Hudgens, R.C.
Cold Regions Development Test 2 (DT2) of L16A2 British mortar (XM252) and L31E2 round (XM821) [1980, 67p. + append., eng] 39-568
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Method to measure iceberg impact areas remotely on a large structure [1983, p.13-17, eng] 39-2526
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Confirmed earthquake in continental Antarctica [1985, p.489-492, eng] 39-3086
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Soil development of Quaternary deposits of various ages in the central Yukon Territory [1985, p.229-238, eng] 39-2330
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Thermal convection in ice sheets: we look but do not see [1985, p.39-48, eng] 39-3723
- Hulleries Alaclemas S.A.
Product for the protection of concrete pavements from degradation due to salting, and its mode of application [1968, 2p., fre] 39-3976
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Catalog of Corps of Engineers structure inventories suitable for the acid precipitation-structure material study [1985, 40p., eng] 39-4054
- Humlum, O.
Rock glaciers in northern Spitzbergen: a discussion [1982, p.214-218, eng] 39-764
- Humphrey, J.E.
Influence of temperate glaciers on flood events in maritime Alaska [1983, p.1(1)-1(26), eng] 39-2441
- Hunault, P.
Parametric study of long-term borehole dilatometer tests in ice [1984, p.393-404, eng] 39-1820
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Geophysical and glaciological investigations in the vicinity of Filchner and Georg von Neumayer Stations during the 1983/84 field season [1984, p.64-70, ger] 39-1683
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Mesoscale eddies of the Arctic Ocean [1985, p.4911-4930, eng] 39-3433
Ocean currents and temperatures in the center of Fram Strait during MIZEX 83 [1984, p.47-51, eng] 39-1129

- Hunter, H.E.**
Machine classification of cloud particle types (1982, 114p., eng) 39-1235
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Summary of U.S. Geological Survey marine geologic studies on the inner shelf of the Chukchi Sea, Alaska, summer, 1982 (1984, 3p. + 9 figs., eng) 39-3390
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Thermodynamic properties of water in the supercooled region (1985, p.1440-1453, eng) 39-2509
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Concrete under arctic conditions (1985, 53p. + append., eng) 39-2832
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System for the point measurement of airborne snow extinction coefficient (1984, p.113-120, eng) 39-2955
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Euromech Colloquium 172: Mechanics of Glaciers, Interlaken, 19-23 September, 1983 (1984, p.77-86, eng) 39-333
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Studies of the behavior of a snow cover on mountain slope. 19. Poisson's ratio of snow, 3 (1984, p.59-67, jpn) 39-4035
- Hybrid designed for shallow Arctic operations**
Hybrid designed for shallow Arctic operations (1984, p.106, eng) 39-1526
- Hyde, W.**
Model of the ice age cycle (1982, p.565-580, eng) 39-1907
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Graphical ice reduction (1984, p.3.11-3.14, eng) 39-1287
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Using scientific potential in the construction of main pipelines in western Siberia (1984, p.12-13, rus) 39-1031
- IAHR International Symposium on Ice, 7th, Hamburg, F.R.G., August 27-31, 1984**
Proceedings, Vols.1 and 2 (1984, 2 vols., eng) 39-1750
Proceedings, Vols.3 and 4 (1984, 594 + 414p., eng) 39-3465
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"Wall in the ground" at subzero temperatures (winter construction of the underground part of sewage-pumping stations) (1984, p.15-16, rus) 39-2939
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Ice conditions in areas adjacent to the North Atlantic Ocean from December 1983 to February 1984 (1984, p.142-143, eng) 39-2002
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- ICMC Symposium on Nonmetallic Materials and Composites at Low Temperatures, 2nd, Geneva, Switzerland, Aug. 4-5, 1980**
Nonmetallic materials and composites at low temperatures, 2. Proceedings (1982, 399p., eng) 39-529
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Failure modes in concrete structures due to ice load (1985, p.643-652, eng) 39-3212
- IEC International Environmental Consultants, Ltd., Ialington, Ontario**
Irradiation as an alternative for disinfection of domestic waste in the Canadian Arctic (1981, 115p., eng) 39-1229
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Soils of the islands and maritime regions of the Pacific Ocean: Proceedings of the 14th Scientific Congress on the Pacific Ocean, Khabarovsk, August, 1979 (1982, 174p., rus) 39-29
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Dynamic forces of ice floes acting on bridge piers (1984, p.147-155, eng) 39-1800
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Annual heat balance of Martian polar caps: Viking observations (1985, p.1160-1168, eng) 39-3365
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Summer precipitation onto the South Pole plateau (1984, p.70-86, eng) 39-3449
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Laws governing the compaction of thawing soils taking dynamic processes into effect (1984, p.231-235, eng) 39-2163
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- International Conference on Numerical Methods in Thermal Problems, 3rd, Seattle, WA, Aug. 2-5, 1983**
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- International Conference on Oil and the Environment, Halifax, Canada, Aug. 16-19, 1982**
Conference proceedings, Part B (1983, 274p., eng) 39-730
- International Conference on Permafrost, 4th, Fairbanks, Alaska, July 17-22, 1983**
Final proceedings (1984, 413p., eng) 39-2120
- International Conference on the Use of Fly Ash, Silica Fume, Slag and Other Mineral By-Products in Concrete, 1st, Montreal, Canada, July 31-Aug. 5, 1983**
Fly ash, silica fume, slag and other mineral by-products in concrete (1983, 1182p. (2 vols.), eng) 39-4064
- International Congress on Sedimentology, 11th, Hamilton, Ontario, Canada, Aug. 22-27, 1982**
Excursion 20B: Glacial and postglacial sediments, Edmonton, Jasper, Banff, Calgary area, Alberta. Field excursion guide book (1982, 159p., eng) 39-2567
- International Geological Congress, 27th, Moscow, Aug. 4-14, 1984**
Comparative planetology, Section S.19. Proceedings, Vol.19 (1984, 142p., rus) 39-1451
Engineering geology, Section S.17. Proceedings, Vol.17 (1984, 144p., rus) 39-1437
- International Geoscience and Remote Sensing Symposium (IGARSS '84), Strasbourg, Aug. 27-30, 1984**
Remote sensing—from research towards operational use (1984, 880p. (2 vols.), eng) 39-2531

- International Heat Pipe Conference, 4th, London, Sep. 7-10, 1981**
Advances in heat pipe technology (1982, 818p., eng.) 39-2907
- International Meeting on Alpine Meteorology, 17th, Berchtesgaden, 1982**
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- International Offshore Mechanics and Arctic Engineering Symposium, 4th, Dallas, Texas, Feb. 17-21, 1985**
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- International Society for Terrain-Vehicle Systems**
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- International Symposium on Remote sensing of Environment, 18th, Paris, France, Oct. 1-5, 1984**
Proceedings, vols. 1-3 (1985, 2000p. (3 vols.), eng.) 39-2703
- International Symposium on River Sedimentation, 2nd, Nanjing, China, Oct. 11-16, 1983**
Proceedings (1983, 1158p., chi.) 39-274
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Theoretical studies of the redistribution of ice resistance components depending on the icebreaker hull shape and main dimensions (1984, p.315-323, eng.) 39-3490
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All-Union Conference on aerial and space methods of studying forests, Krasnoyarsk, July 7-9, 1984. Summaries of reports (1984, 186p., rus.) 39-1480
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All-Union conference on radar meteorology, 6th, Tallin, Apr. 20-23, 1982. Proceedings (1984, 357p., rus.) 39-3072
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Flow behavior of basal ice as related to modeling considerations (1984, p.141-148, eng) 39-188
Greenland ice core: geophysics, geochemistry, and the environment (1985, 118p., eng) 39-3559
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- Lanzhou Institute of Glaciology and Cryopedology**
Bibliography of the glaciology and cryopedology in China and its adjacent districts (1820-1982) (1984, 208p., chi) 39-1616
- Lapshev, G.P.**
Aquatic mosses as objects of geochemical tests (1981, p.45-46, rus) 39-65
- Laperdin, V.K.**
Conference of young scientific associates on the geology and geophysics of eastern Siberia, 11th, Irkutsk, Apr. 17-19, 1984. Summaries (1984, 240p., rus) 39-915
Morpholithogenesis and denudation in the periglacial belt of southern East Siberia (1985, p.54-61, rus) 39-3013
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Reciprocal conversion of surface and bulk acoustic waves at periodic corrugations and inhomogeneities of the boundary of a solid (review) (1983, p.123-134, eng) 39-3881
Surface wave reflection from periodic inhomogeneities at a liquid-solid interface (1978, p.376-382, rus) 39-3880
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Cold Weather Transit Technology Program. Volume 13: Microwave coupling to ice: metal structures (1983, 58p., eng) 39-3923
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Offshore permafrost well design lateral soil movement-induced bending strains (1985, p.195-198, eng) 39-3289
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Research objectives and publications of the C.N.R.S., Center for Geomorphology, Caen (1985, 3p. + 7p. of bibliography, fre) 39-3900
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Winter rating curves and ice volume limited water levels (1984, p.279-294, eng) 39-1468
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Summaries of papers presented at the 5th convention of the delegates of the All-Union Botanical Society (1973, 403p., rus) 39-446
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Thermal displacements, deformations and stresses in fast ice (1984, p.32-46, eng) 39-3661
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Soluble impurities in the Byrd Station ice core, Antarctica: their origin and sources (1985, p.1143-1154, eng) 39-2365
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- Levengarts, I.
All-Union conference on adaptation of organisms to the Arctic environment, Tallin, Nov. 27-30, 1984. Proceedings (1984, 212p., rus) 39-2639
- Levin, I.A.
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Porous metal panel to distribute deicing fluid onto the leading edge of a surface (1971, 4 col. + figs., eng) 39-3842
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Vormsund test road. Part 3 Observations and results (1984, 165p., nor) 39-287
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USSR/USA Bering Sea Experiment. Proceedings (1982, 307p., eng) 39-2737
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Avalanche hazard evaluation, accuracy and use (1983, p.7-8, eng) 39-313
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Two-dimensional climate model useful in ice age application (1982, p.513-518, eng) 39-1985
- Northern Quebec Tree-Line Conference, Kuujuaupik, Quebec, June 22-July 1, 1981**
Proceedings. Tree-line ecology (1983, 188p., eng) 39-2669
- Northern Research Basins Symposium, 5th, Vierumäki, Finland, Mar. 19-23, 1984**
Proceedings. Role of snow and ice in northern basin hydrology (1984, 5 sections, eng) 39-1278
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Beaufort Sea: background, history, and perspective (1984, p.3-19, eng) 39-1870
- Norwegian Polar Research Institute's 1984-85 Antarctic Expedition**
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- Oceanographic Services, Inc.**
Beaufort Sea Meteorological and Oceanographic Program (BEAUMOP), Summer 1978. Final report (1979, 23p., + append., eng) 39-388
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Isolation and growth of psychrophilic diatoms from the ice-edge in the Bering Sea (1983, p.1019-1023, eng) 39-1644
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- Offshore Environment in the 80's, St. John's, Newfoundland, Dec. 2-4, 1980**
Workshop on Environmental Considerations of East Coast Offshore Hydrocarbon Development Proceedings (1980, var p., eng) 39-1311
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Model studies on ice-forming aerosol generators used to seed clouds (1983, p.48-53, rus) 39-588
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Oil and gas technologies for the Arctic and deepwater (1985, 227p., eng) 39-3087
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Greenhouse effect and nuclear energy (1984, p.671-678, jpn) 39-3633
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- Polar Expeditions, Inc.**
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Modern equipment and technology at the construction sites of gas-pumping objects in western Siberia [1984, p.10-12, rus] 39-1030

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- Prodi, V.
Study of the effect of size on ice nucleation in the aerodynamic range of particles (1982, p.945-952, eng) 39-2214
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- Prosser, D.N.
Excursion 20B: Glacial and postglacial sediments, Edmonton, Jasper, Banff, Calgary area, Alberta. Field excursion guide book (1982, 159p., eng) 39-2567
- Prowse, T.D.
Characteristics of snowfalls, snow metamorphism, and snowpack structure with implications for avalanching, Craigburn Range, New Zealand (1984, p.107-118, eng) 39-409
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Large panel residential buildings for Siberian conditions (1985, p.27-29, rus) 39-3123
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Snow and living things (1984, p.51-77, eng) 39-2266
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- Public Works Canada. Western Region
Report on snowdrifting problems and corrective actions on the Dempster Highway, N.W.T., kilometres 457, 458.5, 460, and 472 (1981, 6p. + figs., eng) 39-1178
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Mobile Arctic Island (MAI) for drilling and production (1984, 42p., eng) 39-1862
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Moisture effect on nitrogen fixation and denitrification processes in peat bog soils (1985, p.50-54, rus) 39-3729
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- Rashchennoe zasedanie nachalnoye sovetu Sibirskogo otdeleniya AN SSSR po kompleksoomu razvitiyu tselnykh territoriy, 12th, Irkutsk, Nov. 15-16, 1982
- Rashchennoe zasedanie nachalnoye sovetu Sibirskogo otdeleniya AN SSSR po kompleksoomu razvitiyu tselnykh territoriy, 12th, Irkutsk, Nov. 15-16, 1982. Proceedings of the 12th expanded meeting of the Scientific Council of the Siberian Branch of the Academy of Sciences USSR on the combined development of taiga areas, Irkutsk, Nov. 15-16, 1982 (1984, 184p., rus) 39-2341
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- Stuckenber, U.
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Time dependent material properties due to solute redistribution in frozen marine soils (1985, p.575-583, eng) 39-3206
- Study Session on Fracture Toughness Evaluation of Steels for Arctic Marine Use, Ottawa, Oct. 1983
Fracture toughness evaluation of steels for Arctic marine use (1984, var.p., eng) 39-2256
- Stuiver, M.
Ross Ice Shelf oxygen isotope profile at J-9 (1983, p.107-109, eng) 39-7
- Stukkel, G.A.
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- Sturm, F.
Iceberg prediction charts issued by the International Ice Patrol (1983, p.12-14, eng) 39-2522
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Comparison of antarctic sea ice data sets and inferred trends in ice area (1985, p.275-280, eng) 39-3530
- Stratman, W.L.
Calculation of ice depolarization on satellite radio paths (1983, p.1287-1293, eng) 39-1223
Simple model for the depolarizing effects of rain and ice on earth-satellite links in the 10 to 30 GHz frequency range (1983, 299p., eng) 39-1715
- Styro, D.B.
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- Sugawara, M.
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- Sukhanov, V.S.
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Environmental changes of highlands in Greater Caucasus due to human activities (1985, p.49-54, rus) 39-3012
- Sukhoula, E.V.
Attenuation of radiation at a wavelength of 0.96 mm in snow (1971, p.2171-2174, eng) 39-357
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Physical conditions for thermal disruption of sea ice from below (1983, p.52-56, eng) 39-590
- Sukhorukova, L.I.
Snow cover in the central economic region (1984, p.55-59, rus) 39-1387
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Geological structure and composition of Quaternary deposits in the Khanta-Mansiysk area (1985, p.37-43, rus) 39-3616
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- Suljalina, A.V.
Relationship between the moss-lichen cover of low tundras in the Khibiny mountains and the conditions of their habitat (1981, p.53-54, rus) 39-66
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Influence of light on development and growth of sea-ice microbial communities in McMurdo Sound (1983, p.177-179, eng) 39-308
Pathways of photosynthetic carbon assimilation in sea-ice microalgae from McMurdo Sound, Antarctica (1985, p.674-678, eng) 39-3743
Sea ice microbial communities. 3. Seasonal abundance of microalgae and associated bacteria, McMurdo Sound, Antarctica (1984, p.231-242, eng) 39-3088
Sea ice microbial communities. 4. The effect of light perturbation on microalgae at the ice-seawater interface in McMurdo Sound, Antarctica (1985, p.37-45, eng) 39-3089
Sea ice microbial community: distribution, abundance, and diversity of ice bacteria in McMurdo Sound, Antarctica, in 1980 (1984, p.788-795, eng) 39-376
- Sullivan, J.F.
Impact of snowmelt-runoff from agricultural watersheds on dissolved oxygen (1983, p.170-177, eng) 39-1348
- Samarkova, V.V.
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Analysis of causes for floods during ice run on the lower reaches of the Yellow River (1984, p.379-388, eng) 39-1785
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Iceberg distributions in the Labrador Sea from SLAR imagery 1978-1980 (1983, p.17-20, eng) 39-2836
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Mechanical drill systems for the 25th Japanese Antarctic Research Expedition (1984, p.188-196, eng) 39-3461
Outlook of ice excavation techniques (1985, p.24-38, eng) 39-3954
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Seasonal ice variation in the Barents Sea obtained from the NIMBUS-7 SMMR observations (1984, p.391-393, eng) 39-2544
- Svensson, H.
Remote sensing as an aid in periglacial research (1982, p.109-125, swe) 39-280
- Svensson, U.
Wind correction factors for snow precipitation gauges (1984, p.115-130, eng) 39-1279
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Using the mercury-vapor technique of exploration for ore deposits in northern Siberia (1984, p.150-153, rus) 39-1202
- Sveshnikova, V.M.
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Models simulating raised bogs (1984, p.6-11, rus) 39-2581
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Model testing of ice navigation properties of a powerful ice-breaker with limited draft (1984, p.45-49, rus) 39-3383
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Resource allocation in high-arctic vascular plants of differing growth form (1983, p.1680-1691, eng) 39-453
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Response of concrete shell panels to simulated impact (1985, p.653-670, eng) 39-3213
Response studies of concrete shell panel models to simulated bergy-bit impact (1984, p.127-138, eng) 39-3476
Semisubmersible response to transient ice forces (1984, p.463-490, eng) 39-1049
- Swett, K.
Rock glaciers in northern Spitsbergen: a discussion (1982, p.214-218, eng) 39-764
- Swift, C.T.
Airborne microwave measurements of the southern Greenland ice sheet (1985, p.1983-1994, eng) 39-1912
Algorithm to measure sea ice concentration with microwave radiometers (1985, p.1087-1099, eng) 39-2363
- Swift, J.H.
Thermohaline circulation in the Arctic mediterranean seas (1985, p.4833-4846, eng) 39-3430
- Swyter, J.P.
Prudhoe Bay field oil and gas production facilities (1982, p.202-206, eng) 39-1245
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Computation of the wind component of drift of variously packed ice in the Arctic Ocean (1984, p.151-158, eng) 39-699
- Symonds, G.
MIZEX 83—BIO buoy data summary (1984, p.13-18, eng) 39-1125
- Symposium on Antarctic Logistics, 3rd, Leningrad, 1982
Proceedings (1983, 634p. in 3 vols., eng) 39-2591
- Symposium on Ice and Climate Modelling, Evanston, IL, June 27-July 1, 1983
Proceedings (1984, 243p., eng) 39-162
- Symposium on Polymers in Space Research, Pasadena, CA, July 15-17, 1968
Polymers in space research (1970, 457p. (Pertinent p.181-357), eng) 39-140
- Symposium on Relating Theory to Practice in Artificial Ground Freezing, (Nottingham, England), Sep. 25, 1984
Proceedings (1985, 54p., eng) 39-3406
- Symposium on the Contribution of Space Observations to Water Resources Studies and the Management of these Resources, Bangalore, May 29-June 9, 1979
Contribution of space observations to water resources management (1980, 280p., eng) 39-3128
- Syroid, N.A.
Flora of the Monche tundra (1984, p.78-79, rus) 39-524
- Sysoev, L.A.
Device for thawing frozen saw-logs (1984, p.133-135, rus) 39-137
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Reconnaissance study of proglacial Stewart Lakes, Baffin Island, District of Franklin (1985, p.505-510, eng) 39-2333
- Szekely, J.
Melting rates in turbulent recirculating flow systems (1984, p.1116-1121, eng) 39-402
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- Tagnova, L.N.**
Using aerial and satellite photographs in landscape studies in the northern part of West Siberia (1980, p.29, rus) 39-1332
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Studies on icicles (I): General aspects of the structure and growth of an icicle (1984, p.125-138, jpn) 39-4041
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Glossary of landscape and vegetation ecology for Alaska (1984, 137p, eng) 39-1575
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South Pole ice core processing and microparticle analysis (1983, p.118-119, eng) 39-14
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Report of the International Ice Patrol Services in the North Atlantic Ocean; Season of 1982 [1984, 30p. + appends., eng] 39-2324
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- U.S. National Aeronautics and Space Administration. Science Working Group for the Special Sensor Microwave Imager (SSM/I)**
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NESDIS environmental inventory No.1. Environmental data inventory for the antarctic area [1984, 52p., eng] 39-1310
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- Vsesoiuznaya konferentsiya po aerokosmicheskim metodam issledovaniya lesov, Krasnoyarsk, July 7-9, 1984
All-Union Conference on aerial and space methods of studying forests, Krasnoyarsk, July 7-9, 1984. Summaries of reports (1984, 186p., rus) 39-1488
- Vsesoiuznaya konferentsiya "Rastitel'nyi pokrov subarkticheskikh vysokogor' i problema arktoidal'skikh floristicheskikh svyazey", Khibiny, July 10-15, 1984
All-Union conference "Vegetational cover of Subarctic highlands and problems of Arctic-Alpine floristic bonds", Khibiny, July 10-15, 1984. Summaries (1984, 113p., rus) 39-503
- Vsesoiuznoe soveshchanie po adaptatsii organizmov k usloviyam Krainego Severa, Tallin, Nov. 27-30, 1984
All-Union conference on adaptation of organisms to the Arctic environment, Tallin, Nov. 27-30, 1984. Proceedings (1984, 212p., rus) 39-2639
- Vsesoiuznoe soveshchanie "Radiometeorologiya", 6th, Tallin, Apr. 20-23, 1982
All-Union conference on radar meteorology, 6th, Tallin, Apr. 20-23, 1982. Proceedings (1984, 357p., rus) 39-3072
- Vturiin, B.I.
Classification of natural ice of the Earth (1984, p.93-104, rus) 39-2772
Cryogenic landforms of King George Island, South Shetland Islands (1985, p.77-82, rus) 39-2039
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- VTT Symposium 52: Ship Strength and Winter Navigation, Espoo, Finland, Jan. 10-11, 1984
Ship strength and winter navigation (1984, 259p., eng) 39-1095
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Heat capacity of water near solid surfaces (1983, p.371-374, eng) 39-767
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Waterproofing mix providing to performance after three years' service on Pittsburgh bridge (1982, p.12, eng) 39-2727
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- Weigel, W.
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- Particle concentrations at the South Pole, on meteorological and climatological time scale. Hogan, A., et al, (1984, p.850-853, eng) 39-282
- Measuring microstructure of crystalline fogs with the "Aspect-10" television spectrometer for aerosols. Kuznetsov, V.V., et al, (1984, p.101-106, rus) 39-484
- Testing generators for ice-forming aerosols. Beliaev, S.P., et al, (1984, p.124-130, rus) 39-485
- Model studies on ice-forming aerosol generators used to seed clouds. Beliaev, S.P., et al, (1983, p.48-53, rus) 39-588
- On the interaction of aerosol with meteorology. Hogan, A., et al, (1984, p.41-67, eng) 39-600
- Air-sea interactions over the Ross Sea in the surface boundary layer. Saxena, V.K., et al, (1983, p.241-243, eng) 39-648
- Arctic haze. Schnell, R.C., ed, (1984, p.359-472, eng) 39-716
- Ice-forming natural aerosols. Berezinskii, N.A., et al, (1984, p.37-45, rus) 39-926
- Studying the aerosol structure of hailstones. Tiisov, M.I., et al, (1984, p.88-96, rus) 39-927
- Soluble and insoluble impurities in Vostok ice core and climatic implications. De Angelis, M., et al, (1984, p.215-239, eng) 39-1132
- Solar radiative impacts of soot in aerosols, clouds and snow. Ramaswamy, V., (1982, 229p., eng) 39-1406
- Ice crystal formation on aerosol particles with a non-uniform surface. Gorbunov, B.Z., et al, (1982, p.21-28, eng) 39-1476
- Data from antarctic ice cores on CO₂ climate, aerosols, and changes in ice thickness. Lorius, C., (1984, p.49-62, eng) 39-1499
- Evaluation of lead aerosols by an ice nucleation method. Ueno, Y., et al, (1982, p.251-258, eng) 39-1656
- Carbon and aerosol light absorption in the Arctic. Heintzenberg, J., (1982, p.2461-2469, eng) 39-1660
- Radiative properties of the Arctic aerosol. Patterson, E.M., et al, (1982, p.2967-2977, eng) 39-1661
- Lidar measurements from the SNOW-ONE-B field experiment. DeLateur, S.A., et al, (1983, p.239-247, eng) 39-1959
- Ice nucleation in winter orographic clouds. Rogers, D.C., (1982, 176p., eng) 39-2006

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- Khorguani, V.G., (1984, 187p., rus) 39-2119
- Space shuttle ice nuclei. Turco, R.P., et al, (1982, p.830-832, eng) 39-2211
- Effect of particle size on ice nucleation. Prodi, F., et al, (1982, p.945-952, eng) 39-2214
- Cloud nuclei in the effluents from launches of rockets. Hindman, E.E., et al, (1982, p.1323-1331, eng) 39-2216
- Components of the Arctic aerosol. Heidam, N.Z., (1984, p.329-343, eng) 39-2478
- Glaciological trace element investigations at German antarctic stations. Görlach, U., et al, (1985, p.42-49, ger) 39-2804
- Catalog of smoke/obscurant characterization instruments. O'Brien, H.W., et al, (1984, p.77-82, eng) 39-2950
- Ionic balance of antarctic snow: a 10-year detailed record. Legrand, M.R., et al, (1984, p.1867-1874, eng) 39-3094
- Atmospheric trace elements in antarctic prehistoric ice collected at a coastal ablation area. Boutroun, C., et al, (1984, p.1947-1953, eng) 39-3095
- Inflow of heavy-metal aerosols into southern taiga landscapes of the central Ural mountains. Mel'chakov, I.U.L., (1985, p.80-82, rus) 39-3109
- Polarimetry and photometry of the antarctic sky. Egan, W.G., (1985, p.1845-1854, eng) 39-3712
- Experiments on aerosol scavenging by natural snow crystals. Parts 1 & 2. Murakami, M., et al, (1985, p.119-135, eng) 39-3929
- See also: Smoke generators
- Afforestation**
- See: Revegetation
- Age determination**
- Search for meteorites in the Allan Hills/Elephant Moraine area, 1982-1983. Cassidy, W.A., et al, (1983, p.81-82, eng) 39-1
- Variations of Coleman Glacier, WA. Heikkinen, O., (1984, p.53-64, eng) 39-605
- Study of climatic series by time-frequency analysis. Benoit, J.P., et al, (1982, p.1902-1905, eng) 39-3272
- See also: Ice dating; Permafrost dating; Radioactive age determination
- Aggregates**
- See also: Concrete aggregates
- Air circulation**
- See: Atmospheric circulation
- Air cushion vehicles**
- Vehicle traction mechanics. Yong, R.N., et al, (1984, 307p., eng) 39-544
- Air-cushion belt conveyor equipped with a cargo-carrying unit. Arukhin, A.S., (1984, p.67-71, rus) 39-799
- Strength and dynamic characteristics of air-cushion boats. Leshchinskii, A.L., et al, (1983, p.30-33, rus) 39-962
- Improvements in planning the development of merchant marine. Panin, I.U.I., ed, (1983, 88p., rus) 39-963
- Cargo transportation in the Arctic. Egorov, N.P., (1983, p.43-47, rus) 39-964
- Concepts for the integration of a fluid cushion into the bow of a ship. Dadachanji, N., et al, (1982, 28p., + append., eng) 39-1001
- Concepts for icebreakers with integral fluid cushion bow. Livingstone, F.R., et al, (1981, 85p., rus) 39-1002
- Long-term effects of off-road vehicle traffic on tundra terrain. Abele, G., et al, (1984, p.283-294, eng) 39-1586
- River passenger hovercraft *Luch*. Zoroastrov, V.K., et al, (1984, p.3-4, rus) 39-1843
- Shortage of living accommodations in Yamburg. Nabokov, V.V., (1985, p.10, rus) 39-2028
- Frame structure of inland- and combined-navigation ships. Protopopov, V.B., et al, (1984, 375p. (Pertinent p. 242-246 and 293-301), rus) 39-2197
- Advanced types of ships and their seafaring qualities. Panin, I.U.I., ed, (1983, 137p., rus) 39-2200
- Air cushion ships and floats for ice navigation. Khmurin, V.M., (1983, p.106-110, rus) 39-2204
- Air cushion vehicle performance at Showa Station. Moriaki, K., et al, (1983, p.127-128, eng) 39-2604
- Industrialized construction of petroleum industry objects. Andrienko, V.G., et al, (1985, 342p., rus) 39-3313
- Transportation. Vance, G., (1985, p.77-82, eng) 39-3331
- Air-cushion vessels. Liubimov, V.I., et al, (1984, 207p., rus) 39-3529
- Canadian Coast Guard ACIB—1982/83 trials. Markham, P. de L., et al, (1984, p.311-327, eng) 39-3589
- Experimental hovercraft for the Antarctic. Murao, R., et al, (1985, p.36-55, jpn) 39-3604
- Air-cushion vehicles for landing operations. Lapkovskii, P., et al, (1985, p.40-41, rus) 39-3727
- Air entrainment**
- Using sulfate liquors in paper-cellulose combines as concrete admixtures. Cherkasova, L.A., et al, (1984, p.23-24, rus) 39-1559
- High-strength perlite-silicate concretes with plasticizing admixtures. Paturnev, V.V., et al, (1984, p.66-68, rus) 39-1981
- Utilization of mineral wastes in the production of construction materials in the Leningrad region. Chistiakov, B.Z., et al, (1984, 151p., rus) 39-2072

Chemical admixtures for concretes. Gladkov, V.S.

- (1985, p.18-19, rus) 39-2077
- Air-entrained concrete durability to freezing and thawing. (1985, p.351-353, eng) 39-3283
- CO₂ concentration in air extracted from Greenland ice samples. Stauffer, B., et al, (1985, p.85-89, eng) 39-3571
- New dry extraction system for gases in ice. Moor, E., et al, (1984, p.358-361, eng) 39-3787
- Freeze thaw resistance of concrete. Virtanen, J., (1982, p.923-931, eng) 39-4066
- Air flow**
- Precipitation regime of the west antarctic ice sheet. Bromwich, D.H., (1984, p.107-115, eng) 39-1504
- Ice crystals grown in an unforced air flow cloud chamber. Yamashita, A., et al, (1984, p.135-139, eng) 39-1735
- Air ice interface**
- See: Ice air interface
- Air leakage**
- Winter air exchange rates in Fairbanks buildings. Kailing, S.H., (1983, 32p., eng) 39-530
- Air masses**
- Preliminary discussion on influence of Tarim Basin upon the glacier development in southern Tian Shan Mountains. Wang, Z., et al, (1984, p.61-70, chi) 39-934
- Air pollution**
- Chemistry of precipitation in relation to precipitation type. Warburton, J.A., (1982, p.379-386, eng) 39-20
- Degradation of lichens and mosses in air-pollution areas. Kruchkov, V.V., (1981, p.92-94, rus) 39-75
- Biological activity of soil in the Far North under conditions of air pollution with industrial wastes. Evdokimova, G.A., et al, (1984, 121p., rus) 39-486
- Chemical composition of snow at the Risser-Larsen Ice Shelf. Gjessing, Y., (1984, p.825-830, eng) 39-664
- Arctic haze. Schnell, R.C., ed, (1984, p.359-472, eng) 39-716
- Climatic bases of regional urban planning and construction in Siberia. Pivkin, V.M., (1984, 260p., rus) 39-1364
- Projecting future sea level rise. Hoffman, J.S., et al, (1983, 121p., eng) 39-1392
- Arctic haze. Shaw, G.E., (1980, p.219-221, eng) 39-1400
- Solar radiative impacts of soot in aerosols, clouds and snow. Ramaswamy, V., (1982, 229p., eng) 39-1406
- Snow cover as an indication of radiation effect on biogeocenoses. Golubeva, E.I., et al, (1984, p.41-42, rus) 39-1427
- Macro- and microelement composition of snow as an index of the polluting effect of an alumina combine. Dronin, N.M., (1984, p.66-67, rus) 39-1428
- Biodegradation of hydrocarbons in the petroleum-polluted soil of northern taiga. Kazakova, E.N., et al, (1984, p.84-85, rus) 39-1429
- Acid precipitation in southeastern Wyoming. Ahern, J., et al, (1983, 105p., eng) 39-1513
- Evaluation of lead aerosols by an ice nucleation method. Ueno, Y., et al, (1982, p.251-258, eng) 39-1656
- Pollution of seasonal ice layer in glaciers. Zalikhanov, M.Ch., et al, (1984, p.134-144, rus) 39-1711
- Overview of acid rain monitoring activities in North America. Wisniewski, J., et al, (1982, p.598-618, eng) 39-2213
- Major climatic events associated with a prolonged CO₂-induced warming. Flohn, H., (1981, 80p., eng) 39-2325
- Catalog of smoke/obscurant characterization instruments. O'Brien, H.W., et al, (1984, p.77-82, eng) 39-2950
- Snow impurities in Eastern Canada, 1980-1981. Barrie, L.A., et al, (1984, p.1459-1469, eng) 39-3371
- Greenhouse effect and nuclear energy. Okamoto, K., (1984, p.671-678, jpn) 39-3633
- Atmospheric pollution registered in ice cores and snow. Alderton, D.H.M., et al, (1985, p.97-153, eng) 39-3905
- Oscillations in the concentration of artificial radionuclides in the waters of the Baltic and North seas in 1977-1982. Styro, D.B., et al, (1985, p.835-838, eng) 39-3916
- Air snow interface**
- See: Snow air interface
- Air soil interface**
- See: Soil air interface
- Air temperature**
- Construction of hydraulic tunnels in the Far North. Zimin, L.B., et al, (1984, p.33-34, rus) 39-161
- Calculating glacier ablations from mean summer air temperature. Shchetinnikov, A.S., et al, (1984, p.98-104, rus) 39-640
- Turbulent fluxes in the surface layer of the atmosphere. Timokhov, L.A., (1984, p.181-190, eng) 39-703
- Use of temperature index methods in snowmelt forecasting. Kuusisto, E., (1984, p.559-568, eng) 39-1295
- Potential CO₂-induced changes in West Antarctica (1984, 236p., eng) 39-1498
- Atmospheric circulation affecting the west antarctic region in summer. Trenberth, K.E., (1984, p.73-87, eng) 39-1501
- Temperatures of West Antarctica compared to those of other antarctic regions. Lambert, D.W.S., (1984, p.116-139, eng) 39-1505

- Near surface meteorological experiment at the Filchner ice front. Schaller, E., et al., [1984, p.165-171, ger] 39-1614
- Air temperature variations above mountain glaciers. Vilesov, E.N., et al., [1983, p.47-53, rus] 39-1920
- High-sensitivity air humidity radiometers for freezing weather. Gorelik, A.G., et al., [1984, p.227-230, rus] 39-3076
- Air temperature in plateau permafrost, West China. Wang, Q., et al., [1984, p.37-47, chi] 39-3319
- Air and soil temperature under radiative frost conditions. Cellier, P., [1984, p.741-747, fre] 39-3366
- Influence of the glacial extent of the Barents and Kara seas on the air temperature in winter in the western part of the Arctic. Ivanov, V.V., et al., [1984, p.42-50, eng] 39-3649
- Temperature fluctuation in stable stratification above snow cover. Ishikawa, N., et al., [1984, p.69-78, jpn] 39-4036
- Air water interactions**
- Air-sea interactions over the Ross Sea in the surface boundary layer. Saxena, V.K., et al., [1983, p.241-243, eng] 39-648
- Physical phenomena and properties of oceans. Plakhotnik, A.F., [1984, 232p., rus] 39-2055
- Modeling the system atmosphere-ocean-large ice sheets. Verbitskii, M.I.A., et al., [1984, p.198-200, eng] 39-2195
- Thermodynamic model of seasonal evolution of the ocean-atmosphere system. Kagan, B.A., et al., [1984, p.201-204, eng] 39-2196
- Effect of Lake Michigan on a surface synoptic low. Clark, D., [1984, p.335-345, eng] 39-2972
- Course in general geophysics. Fundamentals of oceanology. Gusev, A.M., [1983, 247p., rus] 39-3525
- Peculiarities of heat exchange between the atmosphere and ocean in the Arctic Basin. Makshtas, A.P., [1984, p.102-108, eng] 39-3656
- Problems of large-scale ocean-atmosphere interaction. Nikolaev, I.U.V., et al., [1984, p.66-70, eng] 39-3670
- Airborne equipment**
- Radar sounding of snow cover on avalanche slopes. Chizhov, A.N., [1984, p.93-96, rus] 39-463
- Parametric model of hailstorm clouds. Imamdzhonov, Kh.A., [1984, p.14-21, rus] 39-546
- Spectral brightness coefficients of northern forests. Bogdanov, V.M., et al., [1984, p.21-22, rus] 39-1482
- Airborne laser systems for remote sensing of vegetation. Kanevskii, V.A., et al., [1984, p.137-139, rus] 39-1497
- Airborne microwave measurements of the southern Greenland ice sheet. Swift, C.T., et al., [1985, p.1983-1994, eng] 39-1912
- Environments of the Earth as seen from space. Kozlov, N.P., ed., [1984, 151p., rus] 39-2037
- Airborne radar**
- Studying sea ice drift by radar. Gorbunov, I.U.A., et al., [1984, p.159-168, eng] 39-700
- Use of aerial and satellite information in studying continental waters. Usachev, V.F., ed., [1984, 125p., rus] 39-1687
- Ice cover thickness of Lake Ladoga. Chizhov, A.N., et al., [1984, p.36-47, rus] 39-1691
- SAR for real-time ice reconnaissance. Nichols, A., et al., [1984, p.71-76, eng] 39-2532
- SAR measurement of sea ice properties during MIZEX '83. Burns, B.A., et al., [1984, p.347-351, eng] 39-2536
- Radar detection of supercooled water droplets in clouds. Kolosov, B.P., et al., [1984, p.91-94, rus] 39-3074
- Radar image of hailstone formation. Abshaev, M.T., [1984, p.109-115, rus] 39-3075
- Active microwave measurements of Arctic sea ice under summer conditions. Onstott, R.G., et al., [1985, p.5035-5044, eng] 39-3436
- Canadian Symposium on Remote Sensing, 1983. [1984, 840p., eng] 39-3439
- Iceberg mapping in Lancaster Sound with synthetic aperture radar. Lowry, R.T., et al., [1984, p.239-246, eng] 39-3441
- Toward a radar surveillance system for Lake Melville/Offshore Labrador. Parashar, S., et al., [1984, p.293-300, eng] 39-3445
- Aircraft**
- See: Airplanes
- Aircraft icing**
- Aircraft icing forecast and associated warning services. Pass, R.P., [1984, var.p., eng] 39-543
- Short-range forecasting of meteorological conditions for icing of aircraft on the ground and of the runway at Sofia airport. Martinov, M.I., et al., [1983, p.42-47, eng] 39-589
- Electrical impulses for aircraft de-icing. Whittington, H., [1984, p.40, eng] 39-597
- Aircraft icing and countermeasures. Grant, R.S., [1984, p.46-48, eng] 39-1319
- Potential icing of the space shuttle external tank. Ferrick, M.G., et al., [1982, 305p., eng] 39-1712
- Forty years of helicopter ice protection experience at Sikorsky aircraft. Rosen, K.M., et al., [1981, p.5-19, eng] 39-1969
- Chemical ice prevention on aircraft carburetors. Newman, R.L., [1982, p.303-309, eng] 39-1998
- Analysis of AFGL aircraft icing data. Cohen, I.D., [1983, 43p., eng] 39-2711
- Predicting rime ice accretion on airfoils. Bragg, M.B., [1985, p.381-387, eng] 39-3447
- Electrical deicer. Spencer, J.H., Jr., et al., [1965, 4 col. + figs., eng] 39-3831
- Foamable de-icing/defrosting composition and method of de-icing and defrosting. Dawtre, S., et al., [1967, 4 col., eng] 39-3833
- Aircraft deicing shoe. Kageorge, P.W., et al., [1968, 4 col. + figs., eng] 39-3834
- Process and apparatus for detecting ice formation. Roussel, P.A., [1970, 6 col. + figs., eng] 39-3835
- Deicing boot and method of making the same. Son Gullberg, H.H., [1970, 6 col. + figs., eng] 39-3836
- Aircraft deicer system and apparatus. Yaste, E.E., [1970, 4 col. + figs., eng] 39-3838
- Device for deicing surfaces of thin-walled structures. Levin, I.A., et al., [1970, 6 col. + figs., eng] 39-3840
- Aircraft deicing apparatus. Cook, V.H., [1971, 8 col. + figs., eng] 39-3841
- Porous metal panel to distribute deicing fluid onto the leading edge of a surface. Nichols, G.L., [1971, 4 col. + figs., eng] 39-3842
- Deicing device. Kline, R.O., [1971, 8 col. + figs., eng] 39-3843
- Electric system of a device for deicing the surface of thin-walled structures. Levin, I.A., [1982, 4 col. + figs., eng] 39-3845
- Electric system of a device for deicing the surface of thin-walled structures. Levin, I.A., [1973, 6 col. + figs., eng] 39-3847
- Method for deicing aircraft. Thornton-Trump, W.E., [1977, 8 col., eng] 39-3850
- Deicing apparatus and method. Magenheimer, B., [1977, 8 col. + figs., eng] 39-3851
- Microwave monitoring of aviation icing clouds. Gary, B.L., [1983, 22p., eng] 39-3901
- Deicing composition. Mitkevich, E.M., et al., [1982, 4 col., rus] 39-3972
- Droplet size distribution effects on aircraft ice accretion. Hansman, R.J., Jr., [1985, p.503-508, eng] 39-4051
- Aircraft landing areas**
- Aircraft accidents with snow and ice on runways. [1982, 109p., eng] 39-1527
- Antarctic infrastructure and policy of access to the continent. Lopetegui Torres, J., [1984, p.161-177, spa] 39-2194
- Landing strip site survey on Greenwich Island. Alarcon, B., et al., [1983, p.156-194, eng] 39-2611
- See also: Ice runways; Runways
- Airplanes**
- Heaters for vehicles and aircraft in Arctic environments. [1981, c100p., eng] 39-569
- Whiteout. Grant, R.S., [1984, p.54-57, eng] 39-627
- Operation of Polar I and Polar II in Antarctica, 1983/84. Kohnen, H., [1984, p.144-148, ger] 39-1611
- Aerial measurements of glaciological and geophysical parameters in Antarctica. Thyssen, F., et al., [1984, p.149-155, ger] 39-1612
- Rain/snow impact erosion of high velocity projectile. Hong, Y.S., [1980, p.2-8, kor] 39-1723
- Antarctic exploration by airplane. Schmid, R., [1985, p.102-104, ger] 39-3125
- Frost resistant substances for seam-grouting at airports. Bobrov, G., [1985, p.36-37, rus] 39-3261
- JARE summer aircraft operations, 1956-1971. Murakoshi, N., et al., [1985, p.56-62, jpn] 39-3605
- Airports**
- Short-range forecasting of meteorological conditions for icing of aircraft on the ground and of the runway at Sofia airport. Martinov, M.I., et al., [1983, p.42-47, eng] 39-589
- Identifying damages of airport pavements. Smirnov, E.N., et al., [1984, 152p., rus] 39-1554
- Rules for the development of united regional appraisals for structures and construction work. [1985, 156p., rus] 39-2516
- Frost resistant substances for seam-grouting at airports. Bobrov, G., [1985, p.36-37, rus] 39-3261
- Improving the working tool of an endless-screw snowplow. Polivanov, I.U.P., et al., [1984, p.24-25, rus] 39-3773
- Method and composition for improving safety of aircraft runways. Moore, W.P., et al., [1976, 18p., eng] 39-3970
- Alassy**
- Alassy vegetation in Central Yakutia. Mironova, S.I., [1983, p.262-267, eng] 39-593
- Sea and ocean level fluctuations for 15,000 years. Kaplin, P.A., ed., [1982, 230p., rus] 39-754
- Structures of northern sea shores. Bashlavin, D.K., et al., [1982, p.174-178, rus] 39-758
- Cryogenic soils of Yakutia and their utilization. Elovskia, L.G., ed., [1984, 125p., rus] 39-3020
- Forest soils of the Lena-Amga interfluvium. Desiatnik, R.V., [1984, p.14-20, rus] 39-3021
- Alassy soils of the Lena-Amga interfluvium. Desiatnik, R.V., [1984, 168p., rus] 39-3091
- Albedo**
- Shortwave flux over snow and ice cover. Shine, K.P., [1984, p.747-764, eng] 39-1444
- Impurities in snow: effects on albedo and snowmelt (review). Warren, S.G., [1984, p.177-179, eng] 39-194
- Albedo of sea ice and solar irradiance. Grenfell, T.C., et al., [1984, p.3573-3580, eng] 39-258
- Albedo values of Caucasus measured during 1953-1978. Samukashvili, R.D., [1984, p.123-128, rus] 39-302
- Spectral properties of ice-particulate mixtures. Clark, R.N., et al., [1984, p.6341-6348, eng] 39-679
- Snow reflectance from LANDSAT-4 thematic mapper. Dozier, J., [1984, p.323-328, eng] 39-779
- Thermal metamorphism of antarctic sea ice. Nazintsev, I.U.L., et al., [1984, p.23-29, rus] 39-975
- Spectral albedo of snow and ice. Kuhn, M., et al., [1982, p.282-283, ger] 39-1217
- Albedo studies on a glacier by means of black-and-white photographs. Kiesel, H., [1982, p.284-286, ger] 39-1218
- Colors of snow, frozen waterfalls, and icebergs. Bohren, C.F., [1983, p.1646-1652, eng] 39-1221
- Radiation balance of cut-out areas in taiga. Kubrak, N.I., [1984, p.108-110, rus] 39-1432
- Environmental impact of lumbering in taiga. Chertovskoi, V.G., [1984, p.217-219, rus] 39-1435
- Pine forests of northern Europe. Ziabchenko, S.S., [1984, 247p., rus] 39-1443
- All-Union Conference on aerial and space methods of studying forests, Krasnoyarsk, July 9-9, 1984. Summaries of reports. [1984, 186p., rus] 39-1480
- Spectral brightness coefficients of northern forests. Bogdanov, V.M., et al., [1984, p.21-22, rus] 39-1482
- Airborne laser systems for remote sensing of vegetation. Kanevskii, V.A., et al., [1984, p.137-139, rus] 39-1497
- Light regime of different central taiga forests. Kishchenko, I.T., [1984, p.17-21, rus] 39-1568
- Influence of the CLIMAP ice sheet on the climate of a general circulation model: implications for the Milankovitch theory. Manabe, S., et al., [1982, p.789-799, eng] 39-1992
- Continental ice sheets and the planetary radiation budget. Oerlemans, J., [1980, p.349-359, eng] 39-2066
- Empirical relationship between dust content and Arctic snow albedo. Woo, M., et al., [1985, p.125-132, eng] 39-2555
- Albedo of a dissipating snow cover. Robinson, D.A., et al., [1984, p.1626-1634, eng] 39-3142
- Environmental impact of the Kan-Achinsk Fuel and Energy Complex. Grudin, G.V., [1984, p.132-142, rus] 39-3345
- Summer Arctic sea ice character from satellite microwave data. Carsey, F.D., [1985, p.5015-5034, eng] 39-3435
- Atmospheric neutrons on snow field at Mizuho Station. Kodama, M., et al., [1984, p.147-151, eng] 39-3457
- Extraction of sea ice area using AVHRR data of NOAA satellite. Tanaka, S., et al., [1984, p.197-206, eng] 39-3462
- Spectral reflection of snow cover. Cao, M., et al., [1984, p.15-26, chi] 39-3513
- Airborne measurements of freshwater ice albedos. Leshkevich, G.A., et al., [1985, p.1677-1687, eng] 39-3711
- Thermodynamic sea ice model. Shine, K.P., et al., [1985, p.2243-2250, eng] 39-3998
- Algae**
- Microbiology of soils disturbed by coal mining. Andronova, M.F., [1984, p.82-86, rus] 39-40
- Influence of light on development and growth of sea-ice microbial communities in McMurdo Sound. Sullivan, C.W., et al., [1983, p.177-179, eng] 39-308
- Studies of ice-algal communities in the Weddell Sea. Garrison, D.L., et al., [1983, p.179-181, eng] 39-309
- Relative abundance of diatoms in Weddell Sea pack ice. Clarke, D.B., et al., [1983, p.181-182, eng] 39-310
- Oceanography of the antarctic marginal ice zone. Smith, W.O., et al., [1983, p.190-192, eng] 39-311
- Hydrobiological regime of northern lakes. Pautova, V.N., et al., [1984, p.23-30, rus] 39-322
- Chemical-biological indication of water masses in the Chukchi Sea. Ryzhov, V.M., et al., [1984, p.26-40, rus] 39-471
- Observation of diatoms in Greenland ice. Gayley, R.I., et al., [1984, p.172-173, eng] 39-714
- Thermal eutrophy of northern ponds. Kuksn, M.S., [1984, p.19-31, rus] 39-821
- Paleoceanography of the southern ocean. Burckle, L.H., [1984, p.241-261, eng] 39-954
- Isotope variations in flora from the Schirmacher Ponds region. Strauch, G., et al., [1984, p.54-59, rus] 39-1011
- Chloroflagellates in the antarctic ocean. Hara, S., et al., [1984, p.1-13, eng] 39-1067
- Ecology of the diatom *Eucampia antarctica*. Burckle, L.H., [1984, p.77-86, eng] 39-1276
- Ecological bases of lake bioproductivity in different natural zones. Kitaev, S.P., [1984, 207p., rus] 39-1436
- Characteristics of diatoms from bottom sediments of the Terkhyn-Tsagan-Nur (People's Republic of Mongolia). Dorofeiev, N.I., [1984, p.1243-1249, rus] 39-1566
- Marine phytoplankton and sea ice microalgae, Arctic Canada. Hsiao, S.I.C., [1983, p.225-313, eng] 39-1742

Algae (cont.)

- Annual carbon budget for an arctic kelp community. Duntion, K.H., (1984, p.311-325, eng) 39-1882
- Lower plants under extreme climatic conditions. Martin, J., ed. (1984, 224p., rus) 39-2367
- Problem of extremity in the ecology of cryptogamic plants. Martin, J.U.L., (1984, p.9-19, rus) 39-2368
- Sea ice microbial communities. 3. Seasonal abundance of microalgae and associated bacteria, McMurdo Sound, Antarctica. McGrath Grossi, S., et al. (1984, p.231-242, eng) 39-3088
- Sea ice microbial communities. 4. The effect of light perturbation on microalgae at the ice-seawater interface in McMurdo Sound, Antarctica. Palmisano, A.C., et al. (1985, p.37-45, eng) 39-3089
- Sea ice algal communities in the Weddell Sea. Garrison, D.L., et al. (1983, p.103-122, eng) 39-3156
- Ecosystems affected by technology: their organization and functioning. Titianova, A.A., ed. (1985, 136p., rus) 39-3625

- Structure and successions of algal colonies in recultivated ecosystems of southern Kuzbass. Shushueva, M.G., (1985, p.85-93, rus) 39-3631
- Photosynthetic carbon assimilation in sea-ice microalgae from McMurdo Sound. Palmisano, A.C., et al. (1985, p.674-678, eng) 39-3743

Alimentation

- Estimating underground drainage in permafrost areas. Mel'nikhuk, N.L., (1983, p.117-125, rus) 39-468
- Calculating glacier runoff from the southeastern Pamirs. IAnbulat, A.A., et al. (1984, p.104-111, rus) 39-641
- Naled ice accretion and melting. Petukhova, N.A., (1984, p.13-21, rus) 39-834
- Water inflow into icebound lakes. Kochelaba, E.I., (1984, p.83-88, rus) 39-910
- Annual loss of winter runoff for naled formation. Sokolov, B.L., et al. (1984, p.50-61, rus) 39-3346

See also: Glacier alimentation

All terrain vehicles

- Year-round construction in eastern Siberia. Vel'chev, S.P., et al. (1984, p.6-8, rus) 39-750
- SANAE off road equipment vehicle. Nel, J.G., (1983, p.129-130, eng) 39-2605
- Air-cushion vehicles for landing operations. Lapkovskii, P., et al. (1985, p.40-41, rus) 39-3727
- Walking vehicle designed for swamps. Petrov, A.A., et al. (1984, p.7-10, rus) 39-3741
- Special means of transportation for construction materials and objects. Lobanov, V.N., (1985, p.26-27, rus) 39-3993

Alluvium

- Cryolithological peculiarities of bedrocks in the northeastern USSR. Kolesnikov, S.F., (1984, p.92-95, rus) 39-42
- Layered hydraulicked beds as bearing grounds in cold regions. Konovalov, P.A., et al. (1984, p.25-30, eng) 39-1075
- Permafrost weathering and mineral transport and accumulations. Khmeleva, N.V., et al. (1984, p.67-73, rus) 39-1198
- Locating ore deposits beneath lacustrine-alluvial permafrost. Makarov, V.N., et al. (1984, p.79-84, rus) 39-1200
- Regularities governing changes in thermal conductivity of coarse-clastics depending on their composition, cryogenic structure and temperature. Ershov, E.D., et al. (1984, p.35-41, rus) 39-1326

Alpine glaciation

- Geothermal effects of 18 ka BP ice conditions in the Swiss plateau. Haeblerli, W., et al. (1984, p.56-60, eng) 39-173
- Traces of ancient glaciations and their division in the Quaternary at the drainage basin of Halasi River in the Altay Shan of China. Liu, C., et al. (1983, p.39-47, chi) 39-265
- Morphological mapping in high latitude mountains. Puulvast, J.P., (1983, p.67-81, fre) 39-723
- Quaternary alpine glaciation and marine erosion in Iceland. Sigbjarnarson, G., (1982, p.87-98, eng) 39-987
- Pleistocene glaciation on the Tibetan plateau. Dronia, H., (1982, p.254-255, ger) 39-1212
- Castleguard karst and Columbia Icefields physiography. Ford, D.C., (1983, p.427-436, eng) 39-1323
- Study of Quaternary glaciation in Mts. Tomur-Hantengri area, Tian Shan. Shi, Y., et al. (1984, p.1-14, chi) 39-1535
- Preliminary observation on neoglaciation in Qilian Mountains. Wu, G., (1984, p.53-60, chi) 39-1540
- Questions about glacial traces in the Tanzhensi area in Beijing. Li, H., et al. (1984, p.77-82, chi) 39-1543
- View on Quaternary glaciation in Lushan from the results of some modern glacial researches. Su, Z., (1984, p.81-88, chi) 39-1544
- Glaciation in Lushan and mudflow in the Jiangxi Province. Wang, H., et al. (1984, p.89-91, chi) 39-1545
- Glaciation of the Cotopaxi, Ecuador. Jordan, E., (1983, p.73-102, eng) 39-1634
- Use of aerial and satellite information in studying continental waters. Usachev, V.F., ed. (1984, 125p., rus) 39-1687

- Glacier oscillations and moraine accumulation processes in the Central Caucasus. Serebrianniy, L.P., et al. (1984, 216p., rus) 39-2024

- Geographical and geological domains of the Karakoram. Tahirkheli, R.A.K., et al. (1984, p.57-70, eng) 39-2315

- Probability forecasts of mass balance of glaciers and glacier systems. Diurgerov, M.B., (1984, p.133-145, rus) 39-2779

- Oblique radio-echo sounding of glacier ice. Epov, A.B., (1984, p.165-174, rus) 39-2784

- Effects of the Quaternary glaciers on the Matese Mt., Italy. Palmentola, G., et al. (1983, p.117-130, ita) 39-2844

- On engineering geological survey in alpine permafrost regions of West China. Qiu, G., (1980, p.17-23, chi) 39-3696

- Periglacial processes in the Peruvian Andes. Francou, B., (1984, p.113-126, fre) 39-3927

Alpine glaciers

See: Mountain glaciers

Alpine landscapes

- Soils of the islands and maritime regions of the Pacific Ocean: Proceedings of the 14th Scientific Congress on the Pacific Ocean, Khabarovsk, August, 1979. Ivlev, A.M., ed. (1982, 174p., rus) 39-29
- Pedologic and geographic regionalization of the Far North-East. Ignatenko, N.V., et al. (1982, p.44-96, rus) 39-30

- Regional characteristics of soil formation in monsoon areas after forest fires. Sapozhnikov, A.P., (1982, p.117-124, rus) 39-31

- Studying winter state of different landscapes. Beruchashvili, N.L., et al. (1984, p.78-82, rus) 39-39

- Forecasting rain-induced and glacial mudflows in the Caucasus. Andreev, I.U.B., et al. (1984, p.86-92, rus) 39-41

- Bryo-lichenological studies of high-altitude regions and the northern USSR. Shliakov, R.N., ed. (1981, 125p., rus) 39-55

- Mosses in the mountain taiga of southern Siberia. Gudoshnikov, S.V., (1981, p.37-39, rus) 39-62

- Mosses associated with mountain snowfields. Ulychna, K.O., (1981, p.55-57, rus) 39-68

- Lichens of the western Sayan. Kravchuk, S.V., (1981, p.90-92, rus) 39-74

- Degradation of lichens and mosses in air-pollution areas. Kruchkov, V.V., (1981, p.92-94, rus) 39-75

- Role of lichens in rubbly tundras of the Sangien highlands (Tuva). Sedelnikova, N.V., (1981, p.110-112, rus) 39-80

- Floristic belts in mountains of the Putorana Plateau. Ukhacheva, V.N., et al. (1984, p.753-761, rus) 39-115

- Phenological inversions in western Tian Shan. Lynov, I.U.S., (1984, p.29-33, rus) 39-121

- Using space imagery in compiling landscape maps. Riabchikova, V.I., (1984, p.39-45, rus) 39-159

- Basal moraine hills at Boduzangbu Basin in the southeastern Tibet. Yang, Y., (1983, p.71-74, chi) 39-270

- Ecological approach to snow studies in mountains. Kolomyts, E.G., et al. (1984, p.3-15, rus) 39-289

- Synoptic-climatic analysis of situations in the El'brus Mountain area. Vetrov, N.A., et al. (1984, p.16-32, rus) 39-290

- Systems approach to alpine landscapes. Kolomyts, E.G., (1984, p.65-83, rus) 39-297

- Recent climatic changes in the Caucasus. Surova, N.A., (1984, p.83-98, rus) 39-298

- Forming natural climatic changes in the El'brus Mountain area. Surova, N.A., (1984, p.98-110, rus) 39-299

- Snow accumulation and avalanche conditions in western Caucasus. Volodicheva, N.A., et al. (1984, p.110-117, rus) 39-300

- Radiation balance beneath forest canopy in highlands. Samukashvili, R.D., (1984, p.117-122, rus) 39-301

- Albedo values of Caucasus measured during 1953-1978. Samukashvili, R.D., (1984, p.123-128, rus) 39-302

- Mudflow formation on river basin slopes. Moskalev, E.L., et al. (1984, p.142-149, rus) 39-305

- Summaries of papers presented at the 5th convention of the delegates of the All-Union Botanical Society. Lavrenko, E.M., ed. (1973, 403p., rus) 39-446

- Present state of floristic studies in the Soviet Arctic. Tolmachev, A.I., et al. (1973, p.162-164, rus) 39-448

- All-Union conference "Vegetational cover of Subarctic highlands and problems of Arctic-Alpine floristic bonds", Khibiny, July 10-15, 1984. Summaries (1984, 113p., rus) 39-503

- Cryophylic meadows of Polar Ural Mountains. Igosheva, N.I., (1984, p.10-11, rus) 39-505

- Upper forest lines in the Subarctic as indices of ecologic parameters of the biosphere. Kruchkov, V.V., (1984, p.13-14, rus) 39-506

- Vegetation of the northeastern slope of the Rarytkin Range (Chukotskiy Peninsula). Mironenko, O.N., (1984, p.16-17, rus) 39-508

- Interrelationships of highland vegetation and soils of the Subarctic Kola Peninsula. Nikonov, V.V., et al. (1984, p.18-19, rus) 39-509

- Position of western Altai in the system of highland belts. Ogureeva, G.N., et al. (1984, p.21-22, rus) 39-510

- Extrazonal vegetation in the Byrranga Mountains (Arctic Taymyr Peninsula). Rapota, V.V., (1984, p.27-28, rus) 39-511

- Woody plants of the polar Ural Mountains. Semenov, B.A., et al. (1984, p.30-31, rus) 39-512

- Trees and shrubs growing on mudflow cones. Khomulov, O.N., (1984, p.37-38, rus) 39-514

- High altitude flora of Ural Mountains. Gorchakovskii, P.L., (1984, p.53-54, rus) 39-518

- Communities of Arctic and Alpine plants on Pamirs. Ikonnikov, S.S., et al. (1984, p.57-58, rus) 39-519

- Altitudinal distribution of Alpine tundra plants. Kuvaev, V.B., (1984, p.62-63, rus) 39-521

- Floristic bonds between Arctic islands of the USSR and high plateaus. Maksimova, M.I., (1984, p.66-67, rus) 39-522

- Arctic element in the Carpathian flora. Malinovskii, K.A., (1984, p.67-68, rus) 39-523

- Flora of the Monche tundra. Syroid, N.A., (1984, p.78-79, rus) 39-524

- Radiocarbon dating of paleopedologic soil, Haugabreen, Norway. Ellis, S., et al. (1984, p.77-91, eng) 39-607

- Distribution and regime of snow avalanches in western Tien Shan. Sezin, V.M., et al. (1984, p.45-55, rus) 39-635

- Role of sublimational processes in avalanche formation. Brukhanda, V.I., et al. (1984, p.59-73, rus) 39-636

- Temperature regime and some biological properties of woody plants in northern Kirgizia. Saribaeva, M.K., (1984, 238p., 840) 39-644

- Tundra plants of the Chukotskiy Peninsula. Razzhivin, V.I.U., (1984, p.1001-1009, rus) 39-669

- Role of extreme natural processes in the development of coastal landscapes of the Sea of Okhotsk. Slepianova, L.E., (1984, p.49-53, rus) 39-671

- Seasonal variations in high-altitude vegetation of Tien Shan. Lynov, I.U.S., (1984, p.86-96, rus) 39-672

- Regularities governing the formation of chemical composition of ground waters in the Udokan Range. Beliaikov, A.E., et al. (1984, p.71-76, rus) 39-842

- Limnogenetic peculiarities in permafrost areas of the Kodar-Udokan region. Orel, G.F., (1984, p.76-83, rus) 39-843

- Estimation of mudflow and avalanche danger in the BAM zone. Perov, V.F., et al. (1984, p.59-68, rus) 39-903

- Preliminary discussion on influence of Tarim Basin upon the glacier development in southern Tian Shan Mountains. Wang, Z., et al. (1984, p.61-70, chi) 39-934

- Basic characteristics of periglacial landforms on Wutai Mountain. Zhu, J., et al. (1984, p.71-76, chi) 39-935

- Quaternary alpine glaciation and marine erosion in Iceland. Sigbjarnarson, G., (1982, p.87-98, eng) 39-987

- Vegetation of the Far East. Nechaev, A.P., ed. (1976, 136p., rus) 39-1071

- Using cluster analysis in distinguishing ecological groups of plants. Shelestova, T.F., et al. (1976, p.57-68, rus) 39-1073

- Geochemical exploration of bald-peak landscapes. Taisaev, T.T., (1984, p.61-67, rus) 39-1197

- All-Union Conference on aerial and space methods of studying forests, Krasnoyarsk, July 7-9, 1984. Summaries of reports, (1984, 186p., rus) 39-1480

- Mapping taiga from satellite photographs. Plastinin, L.A., (1984, p.39-40, rus) 39-1485

- Satellite technique of mapping mountain taiga. Abalakov, A.D., (1984, p.41-42, rus) 39-1486

- Continental taiga of eastern Alaska. Report No.1. Iurtsev, B.A., (1984, p.117-127, rus) 39-1546

- Contrasts and the dynamics of the natural-territorial structure of the southern part of the Bureinsky Range. Golubchikov, I.U.N., (1977, p.8-18, rus) 39-1898

- Photogenic hydrothermal contrasts in landscapes of the Kibiny-Bureya lowlands. Kolomyts, E.G., et al. (1977, p.77-121, rus) 39-1900

- Hydrothermal regime of snow cover in low-mountain landscapes. Pavlov, V.N., (1977, p.182-195, rus) 39-1905

- Cryogenic phenomena in landscape types of Kamchatka Peninsula. Bykasov, V.E., (1977, p.196-202, rus) 39-1906

- Environments of the Earth as seen from space. Korlov, N.P., ed. (1984, 151p., rus) 39-2037

- Oblique aerial surveying technique for geographic studies. Gel'man, R.N., et al. (1984, p.35-37, rus) 39-2188

- Life-forms of forest phytocenoses. Krylov, A.G., (1984, 184p., rus) 39-2199

- Problems of physical geography. Selected works. Kalesnik, S.V., (1984, 288p., rus) 39-2220

- Development of mudflow processes in foci of different types. Khonin, R.V., (1984, p.17-29, rus) 39-2281

- Lichens on bald areas of the Badkhal Range. Randlane, T.V., (1984, p.120-133, rus) 39-2370

- Climatic maps of mountain glaciers of the world. Davidovich, N.V., (1984, p.68-80, rus) 39-2770

- Arctic and alpine types of flora of the Sikhote-Alin'. Kharkevich, S.S., et al. (1984, p.5-21, rus) 39-3004

- Grass cenoses in recultivated forests of southern Kuzbass ecosystems. Logun, M.T., (1985, p.93-100, rus) 39-3632

- Dynamics of forest resources in northern Sakhalin Island. Shelingauz, A.S., [1984, p.36-54, rus] 39-3800
- Alpine soils**
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Mosses in the southern part of the Magadan Region. Blagodatikh, L.S., [1981, p.22-24, rus] 39-59
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High altitude musci of the Khangay Range. Tsegmed, Ts., [1981, p.58-61, rus] 39-69
Problems in studying lichens of the Far North. Trass, Kh.Kh., [1981, p.68-70, rus] 39-71
Accumulation of Strontium-90 and cesium-137 in lichens. Nifontova, M.G., [1981, p.101-102, rus] 39-76
Floristic belts in mountains of the Putorana Plateau. Ukhacheva, V.N., et al, [1984, p.753-761, rus] 39-115
Pollination in tundra plants. Tikhmenev, E.A., [1984, p.8-15, rus] 39-119
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Systems approach to alpine landscapes. Kolomyts, E.G., [1984, p.65-83, rus] 39-297
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Spatial distribution of phytomass in different types of Alpine tundras in the northern Ural Mountains. Bulatova, I.K., [1984, p.5-6, rus] 39-504
Woody plants of the polar Ural Mountains. Semenov, B.A., et al, [1984, p.30-31, rus] 39-512
Bald-peak and Alpine tundra communities on the Tukuringa Range. Stetsura, N.N., [1984, p.33-34, rus] 39-513
Vegetation patterns of Alpine tundra on the Putorana plateau. Chastukhina, S.A., [1984, p.39-40, rus] 39-515
Tundra vegetation on the Putorana plateau. Chastukhina, S.A., [1984, p.41-42, rus] 39-516
Vegetation of Alpine tundra and rock streams. Belkina, O.A., [1984, p.45-46, rus] 39-517
Floristic saturation in the Alpine tundra communities of the Khibiny Mountains. Konstantinova, N.A., [1984, p.61-62, rus] 39-520
Alpine tundra soil bacteria, Niwot Ridge, CO. Mancinelli, R.L., [1984, p.185-192, eng] 39-718
Plant communities of alpine tundra. Chastukhina, S.A., [1984, p.1363-1370, rus] 39-1567
Local contrasts in geosystems. Kapitsa, A.P., ed, [1977, 206p., rus] 39-1897
Slope processes in the continental part of the Far East. Korotki, A.M., et al, [1977, p.122-133, rus] 39-1901
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Role of mountain forests in water protection. Lebedev, A.V., [1984, p.156-164, rus] 39-2352
Lower plants under extreme climatic conditions. Martin, J., ed, [1984, 224p., rus] 39-2367
Alpine flora of the Mayn River area (Anadyr' River tributary). Polezhaev, A.N., et al, [1984, p.1651-1656, rus] 39-2461
Geochemistry of soils and environmental protection. Saprykin, F.I.A., [1984, 231p., rus] 39-2485
Acclimatization peculiarities of plants from snow fields and from dry gravelly mountain tundra of Chukchi Peninsula. Polozova, T.G., [1984, p.135-140, rus] 39-2656
Temperature regime and photosynthetic apparatus of Arctic tundra plants. Pliankov, V.I., et al, [1984, p.150-155, rus] 39-2658
Structural pattern in alpine tundra vegetation. Welden, C., [1985, p.120-134, eng] 39-2757
Biomass of high-altitude plants in Altai-Sayany mountains. Sedelnikov, V.P., [1985, p.87-91, rus] 39-3014
Subdividing the BAM zone vegetation according to geobotanical maps. Kobeleva, N.V., et al, [1985, p.120-123, rus] 39-3015
Morpholithosystems and landscape structure (exemplified by the Omolon River basin). Egorova, G.N., [1983, 164p., rus] 39-3092
Vegetation of Siberia (the areas east and west of Lake Baytal). Peshkova, G.A., [1985, 145p., rus] 39-3381
In the snows of polar regions. Vasil'ev, V., [1984, p.53-56, rus] 39-3730
Vertical differentiation of vegetation in boreal highlands. Gorchakovskii, P.L., et al, [1985, p.12-20, rus] 39-3744
Relict plant communities in western Chukotskiy Peninsula. Kozitskaia, L.T., et al, [1985, p.32-38, rus] 39-3745
Preservation and stability of mountain landscapes in inner Asia. Mikhailov, I.S., et al, [1984, p.17-23, rus] 39-3808
Summer water budget and its importance in the alpine tundra of Colorado. Greenland, D., et al, [1984, p.221-239, eng] 39-3893
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Basic characteristics of periglacial landforms on Wutai Mountain. Zhu, J., et al, [1984, p.71-76, chi] 39-935
- Altitude**
Woody plants of the polar Ural Mountains. Semenov, B.A., et al, [1984, p.30-31, rus] 39-512
Jakobshavn Glacier drainage basin: a balance assessment. Bindshadler, R.A., [1984, p.2066-2072, eng] 39-678
Terminus response of Lewis Glacier, Kenya. Kruss, P., [1984, p.212-217, eng] 39-1676
Dependence of antarctic accumulation rates on surface temperature and elevation. Muszynski, I., et al, [1985, p.204-208, eng] 39-3085
- Amphibious vehicles**
Vehicles used by SANAE. Nel, J.G., [1983, p.132-136, eng] 39-2606
Air-cushion vessels. Liubimov, V.I., et al, [1984, 207p., rus] 39-3529
- Analysis (chemistry)**
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- Anchor ice**
See: Bottom ice
- Anchors**
Spraying concrete lining on tunnel walls in freezing weather. Mishin, V.V., et al, [1984, p.25-27, rus] 39-160
Technical and economic analysis of pipeline ballasting. Shukaev, V.A., et al, [1984, p.17-19, rus] 39-1032
Shear stresses at metal-concrete and concrete-ground interfaces. Kolin, D.I., et al, [1984, p.27-28, rus] 39-1170
Model tests and in situ behaviour of prestressed anchors in snow and ice. Jessberger, H.L., et al, [1984, p.21-32, eng] 39-1789
Evaluation of rock anchors for use in Antarctica. Taylor, P.T., et al, [1980, 665 leaves, eng] 39-2112
Evaluation of chemical concrete for antarctic ground anchors; interim report. Taylor, P.T., [1982, 7 leaves, eng] 39-2113
Review of ground anchor tests and procedures. [1984, 23 leaves, eng] 39-2114
Ground anchor design guidelines. [1984, 15 leaves, eng] 39-2115
Mobile-crew flow-time method of building the trans-continental pipeline Urengoy-Pomary-Uzhgorod Sudobin, G.N., et al, [1985, p.12-13, rus] 39-2223
Mooring and anchoring in ice-infested waters. Owen, D.G., et al, [1985, p.424-431, eng] 39-2383
Ice plug anchor—development of a new anchor for use in snow and ice. Maidl, B., et al, [1985, p.442-450, eng] 39-2384
Railroad-bridge floors for severe climatic conditions. Andreev, G.G., et al, [1982, p.69-80, rus] 39-2521
Screw anchor concrete piles for power lines in permafrost. Elstobogen, G.N., et al, [1985, p.39-41, rus] 39-2845
Fastening overhead line supports with screw anchors. Kurnosov, A.I., et al, [1985, p.41-44, rus] 39-2846
- Animals**
Snow and living things. Pruitt, W.O., Jr., [1984, p.51-77, eng] 39-2266
Quaternary climate of East China. Nie, G., [1984, p.79-83, chi] 39-3323
Distributional patterns of fishes in an Alaskan Arctic lagoon. Craig, P.C., et al, [1985, p.9-18, eng] 39-3555
- Anisotropy**
Flow law for isotropic and anisotropic ice at low strain rates. Lle, R.C., [1984, 93p., eng] 39-379
Orientation correlation tensor in ice I, III, IV, V and VI. Johari, G.P., et al, [1984, p.L1-L4, eng] 39-560
Crystal-melt surface tension and grain boundary groove morphology. Voorhees, P.W., et al, [1984, p.425-440, eng] 39-611
- Antarctica**
Numerical response of the middle atmosphere to the 11-year solar cycle. Garcia, R.R., et al, [1984, p.411-423, eng] 39-17
Antarctic Committee reports, No.17. Main results of twenty years' research in the Antarctic. Avsiuk, G.A., ed, [1984, 348p., eng] 39-552
Developments in antarctic glaciology. Kotliakov, V.M., [1984, p.137-154, eng] 39-554
Paleogeology in Antarctica. Bardin, V.I., [1984, p.155-164, eng] 39-555
Antarctic automatic weather stations, austral summer 1982-1983. Stearns, C.R., et al, [1983, p.245-246, eng] 39-649
Antarctic sea ice conditions and cyclonic activity in winters 1973-1977. Carleton, A.M., [1983, p.1-22, eng] 39-1131
Pelagic ecosystems of the southern ocean. Voronina, N.M., [1985, 206p., rus] 39-1421
Antarctic infrastructure and policy of access to the continent. Lopetegui Torres, J., [1984, p.161-177, spa] 39-2194
Antarctic circumpolar ocean. Deacon, G., [1984, 180p., eng] 39-2279
Concreting practices at Australian antarctic stations. McEwan, R., et al, [1983, p.280-287, eng] 39-2618
- Radar measurements of atmospheric precipitation in Antarctica. Pleschkeet, H.G., et al, [1984, p.64-67, rus] 39-2848
Record of global pollution in polar snow and ice. Wolff, E.W., et al, [1985, p.535-540, eng] 39-2927
Meteorites in antarctic ice. Cervelle, B., [1984, p.1454-1456, fre] 39-3134
Study of climatic series by time-frequency analysis. Benoist, J.P., et al, [1982, p.1902-1905, eng] 39-3272
My polar travels. Treshnikov, A.F., [1985, 478p., rus] 39-3348
Greenland ice core: geophysics, geochemistry, and the environment. Langway, C.C., Jr., ed, [1985, 118p., eng] 39-3559
Historic cartographic evidence for Holocene changes in the antarctic ice cover. Wehaupt, J.G., [1984, p.493-501, eng] 39-3634
Global climate system. [1985, 52p., eng] 39-3636
Antarctic telecommunications past, present and future. Thomson, R.B., [1985, p.40-42, eng] 39-3866
Antarctic field manual. [1985, 80p., eng] 39-4003
Antarctic operations manual. [1985, 80p., eng] 39-4004
- Adelaide Island**
C130 and DHC6 air drops in Antarctica. Carvajal, E.M., [1983, p.142-143, eng] 39-2609
- Adelie Coast**
Atmospheric trace elements in antarctic prehistoric ice collected at a coastal ablation area. Boudreau, C., et al, [1984, p.1947-1953, eng] 39-3095
- Alasheyev Bight**
Thermal metamorphism of antarctic sea ice. Nazimov, I.U., et al, [1984, p.23-29, rus] 39-975
- Alexander Island**
Geomorphology of the Ablation Point massif, Alexander Island. Clapperton, C.M., et al, [1983, p.125-135, eng] 39-1106
Ice, water and energy balances of Spartan Glacier, Alexander Island. Jameson, A.W., et al, [1983, p.155-186, eng] 39-1361
Glaciological characteristics of Spartan Glacier, Alexander Island. Wager, A.C., et al, [1983, p.221-228, eng] 39-1363
- Allan Hills**
Search for meteorites in the Allan Hills. Elephant Moraine area, 1982-1983. Cassidy, W.A., et al, [1983, p.81-82, eng] 39-1
Radioactive dating of Byrd core and Allan Hills ice. Fireman, E.L., [1983, p.111, eng] 39-9
- Amundsen Bay**
Seismic profiles of Amundsen and Lützow-Holm Bays, 1982. Moriawaki, K., [1984, p.61-65, eng] 39-1089
- Amundsen-Scott Station**
237-meter ice core from South Pole station. Kuivinen, K.C., [1983, p.113-114, eng] 39-11
Core processing and analyses of ice cores drilled at the South Pole. Stauffer, B., et al, [1983, p.114-116, eng] 39-12
South Pole pit stratigraphic studies. Mosley-Thompson, E., et al, [1983, p.116-118, eng] 39-13
South Pole ice core processing and microparticle analysis. Mosley-Thompson, E., et al, [1983, p.118-119, eng] 39-14
Particle concentrations at the South Pole, on meteorological and climatological time scale. Hogan, A., et al, [1984, p.850-853, eng] 39-282
Baseline acidity of ancient precipitation from the South Pole. Cragin, J.H., et al, [1984, 7p., eng] 39-387
On the interaction of aerosol with meteorology. Hogan, A., et al, [1984, p.41-67, eng] 39-600
Unveiling the secrets of the ice continent. Zotikov, I.A., [1984, 248p., rus] 39-1369
Ionic balance of antarctic snow: a 10-year detailed record. Legrand, M.R., et al, [1984, p.1867-1874, eng] 39-3094
Summer precipitation onto the South Pole plateau. Inoue, M., et al, [1984, p.70-86, eng] 39-3449
Greenland Ice Sheet Program in perspective. Langway, C.C., Jr., et al, [1985, p.1-8, eng] 39-3560
Complex ice-crystal halo phenomena: sky archaeology. Greenler, R.G., et al, [1980, p.146-155, eng] 39-3882
- Amundsen Sea**
West antarctic sea ice. Ackley, S.F., [1984, p.88-95, eng] 39-1502
- Antarctic Peninsula**
Ice-shell densities from a comparison of radio echo and seismic soundings. Doske, C.S.M., [1984, p.47-50, eng] 39-171
Variability of atmospheric circulation at the surface of the South Pacific Ocean in summer. Loom, H. van, [1984, p.64-72, eng] 39-1500
Chilean antarctic deployment of automatic weather stations. Araya, I.M., et al, [1983, p.39-68, eng] 39-2594
First attempt at structural interpretation of Landsat images of west antarctic mountain regions. Budko, V.M., et al, [1985, p.43-49, rus] 39-2892
Antarctic Peninsula and Ross Sea sediment descriptions. Kabatovskii, V.A., et al, [1984, 242p., eng] 39-3637
Electrical resistivity of ice from the Antarctic Peninsula. Reynolds, J.M., et al, [1984, p.289-295, eng] 39-1777

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- Antarctic Peninsula (cont.)
Chilean low cost and accurate remote sensing technology.
Araya F. M., et al., (1984, p.85-90, eng) 39-4069
- Avers Island
Satellite measurement of antarctic glacier drift. Seeber, G., et al., (1984, p.176-186, ger) 39-1026
- Atka Bay
Investigations of cosmic dust in the antarctic shelf ice.
Thiel, K., (1985, p.104-112, ger) 39-2813
- Beacon Valley
Glacial geology and soils in Beacon Valley. Potter, N., Jr., et al., (1983, p.100-103, eng) 39-4
- Brabant Island
JSE Brabant Island 1983-85. (1984, 30p., eng) 39-286
- Bransfield Strait
Thermogenic hydrocarbons in Bransfield Strait sediments.
Whitaker, M.J., et al., (1985, p.87-90, eng) 39-3127
- Brunt Ice Shelf
Survey of the ice shelf edges in the eastern and southern Weddell Sea. Lange, M.A., (1984, p.53-56, eng) 39-1601
- Accelerating flow of the Brunt Ice Shelf, Antarctica.
Simmons, D.A., et al., (1984, p.377-380, eng) 39-3792
- Byrd Station
Impurities in snow: effects on albedo and snowmelt (review). Warren, S.G., (1984, p.177-179, eng) 39-194
- Microparticles in ice cores from Antarctica and Greenland.
Thompson, L.G., (1984, p.25-32, chi) 39-931
- Soluble impurities in the Byrd Station ice core. Palais, J.M., et al., (1985, p.1143-1154, eng) 39-2365
- Continuous impurity analysis along the Dye 3 deep core.
Hammer, C.U., et al., (1985, p.90-94, eng) 39-3572
- Casey Station
AANBUS: the creation of a building system for Antarctica. Incoll, P., (1980, var. p., eng) 39-2111
- Manual for Australian antarctic utilities, bridges, and supports. (1982, var. p., eng) 39-2230
- Halon fire protection system for store buildings. (1982, var. p., eng) 39-2231
- Casey old station site plan, Issue No.2. Banhidly, J., (1984, 1 sheet, eng) 39-2242
- Casey site plan, Issue No.4. Banhidly, J., (1984, 1 sheet, eng) 39-2243
- Waste disposal at Australian antarctic stations. Holmes, I.E.B., et al., (1984, p.308-315, eng) 39-2246
- Rebuilding of Australia's 3 antarctic stations, Parts 1-3.
Gosbell, K.B., et al., (1983, p.214-273, eng) 39-2616
- Support of construction activities during rebuilding of Australia's antarctic stations. Holmes, I.E.B., (1983, p.274-279, eng) 39-2617
- Davis Station
AANBUS: the creation of a building system for Antarctica. Incoll, P., (1980, var. p., eng) 39-2111
- Halon fire protection system for store buildings. (1982, var. p., eng) 39-2231
- Davis site plan, Issue No.4. Banhidly, J., et al., (1984, 1 sheet, eng) 39-2245
- Waste disposal at Australian antarctic stations. Holmes, I.E.B., et al., (1984, p.308-315, eng) 39-2246
- Rebuilding of Australia's 3 antarctic stations, Parts 1-3.
Gosbell, K.B., et al., (1983, p.214-273, eng) 39-2616
- Support of construction activities during rebuilding of Australia's antarctic stations. Holmes, I.E.B., (1983, p.274-279, eng) 39-2617
- Dome C
Borehole geometry on the Greenland and Antarctic ice sheets. Jezek, K.C., (1985, p.242-251, eng) 39-1749
- Isotopic diffusion in cold snow and firn. Whillans, I.M., et al., (1985, p.3910-3918, eng) 39-2989
- Fallout from the atmosphere in the Arctic and Antarctic.
Koide, M., et al., (1985, p.95-100, eng) 39-3573
- East Antarctica
Chemical composition of periglacial lake waters in East Antarctica. Shmidtberg, N.A., et al., (1985, p.107-127, rus) 39-2898
- Confirmed earthquake in continental Antarctica. Adams, R.D., et al., (1985, p.489-492, eng) 39-3086
- Atmospheric CO₂ variations in antarctic ice cores.
Raynaud, D., et al., (1985, p.309-311, eng) 39-3892
- Ekstrom Ice Shelf
Satellite observations of ice shelf drift. Gerdau, H., et al., (1984, p.161-175, ger) 39-1025
- Survey of the ice shelf edges in the eastern and southern Weddell Sea. Lange, M.A., (1984, p.53-56, eng) 39-1601
- Geodetic glaciology on Filchner Ice Shelf since 1979/80.
Köhler, M., (1985, p.18-25, ger) 39-2801
- Erebus, Mount
Volcanic deformation studies—Mt. Erebus. Scott, B., et al., (1985, p.20-23, eng) 39-3865
- Filchner Ice Shelf
Satellite observations of ice shelf drift. Gerdau, H., et al., (1984, p.161-175, ger) 39-1025
- Potential effect of CO₂ warming on sub-ice-shelf circulation and basal melting. MacAyeal, D.R., (1984, p.212-221, eng) 39-1509
- Filchner-Ronne Ice Shelf programme, Report 1 (1984).
Kohnen, H., comp., (1985, 38p., eng) 39-1528
- Glaciological studies of the Filchner Ice Shelf, 1983/84.
Reinwarth, O., et al., (1984, p.37-52, ger) 39-1600
- Survey of the ice shelf edges in the eastern and southern Weddell Sea. Lange, M.A., (1984, p.53-56, eng) 39-1601
- Report of the German engineering glaciology group, 1983/84. Jessberger, H.L., et al., (1984, p.71-81, ger) 39-1604
- Vertical tidal motion of Filchner Ice Shelf. Eckstaller, A., et al., (1984, p.82-97, ger) 39-1605
- Aerial measurements of glaciological and geophysical parameters in Antarctica. Thyssen, F., et al., (1984, p.149-155, ger) 39-1612
- Near surface meteorological experiment at the Filchner ice front. Schaller, E., (1984, p.165-171, ger) 39-1614
- Filchner-Ronne Ice Shelf programme, Report 2 (1985).
Kohnen, H., comp., (1985, 136p., ger) 39-2799
- Accumulation on the Filchner/Ronne Ice Shelves.
Reinwarth, O., et al., (1985, p.7-17, ger) 39-2800
- Geodetic glaciology on Filchner Ice Shelf since 1979/80.
Köhler, M., (1985, p.18-25, ger) 39-2801
- Ice core drilling on the Filchner and Ronne Ice Shelves.
Jessberger, H.L., et al., (1985, p.32-41, ger) 39-2803
- Hydrography at the edge of Filchner Ice Shelf. Rohardt, G., et al., (1985, p.50-57, ger) 39-2805
- Aeromagnetic measurements of the Filchner Ice Shelf and near Georg von Neumayer Station as part of the 1983/84 Filchner Ice Shelf Project. Kahnt, W., et al., (1985, p.60-67, ger) 39-2807
- Are there secondary flows at the edge of the Filchner Ice Shelf. Rose, L., (1985, p.78-85, ger) 39-2810
- Case study of a mesoscale disturbance at Filchner Station.
Halbath, G., (1985, p.96-103, ger) 39-2812
- Research activities of West Germany in western Antarctica. Kohnen, H., (1981, p.413-425, ger) 39-2915
- Antarctic exploration by airplane. Schmid, R., (1985, p.102-104, ger) 39-3125
- Filchner Station
Aerial measurements of glaciological and geophysical parameters in Antarctica. Thyssen, F., et al., (1984, p.149-155, ger) 39-1612
- Technical concepts of the antarctic stations Georg-Von-Neumayer and Filchner of the Federal Republic of Germany. Mannhardt, S., (1983, p.338-347, eng) 39-2622
- Atmospheric boundary layer changes at Filchner Station.
Schaller, E., (1985, p.72-77, ger) 39-2809
- Fildes Peninsula
Glaciological and geocryological studies on King George Island. Vtiurin, B.I., et al., (1984, p.33-37, rus) 39-976
- Upgrading and moving the Chilean weather transmitter station. Carvajal, E.M., (1983, p.30-38, eng) 39-2593
- Folger, Cape
Relationship between bore hole closure and ice crystal structure. Thwaites, R.J., et al., (1984, p.171-179, eng) 39-1672
- Georg von Neumayer Station
Aerial measurements of glaciological and geophysical parameters in Antarctica. Thyssen, F., et al., (1984, p.149-155, ger) 39-1612
- Model tests and in situ behaviour of prestressed anchors in snow and ice. Jessberger, H.L., et al., (1984, p.21-32, eng) 39-1789
- Ice plug anchor—development of a new anchor for use in snow and ice. Maidl, B., et al., (1985, p.442-450, eng) 39-2384
- Technical concepts of the antarctic stations Georg-Von-Neumayer and Filchner of the Federal Republic of Germany. Mannhardt, S., (1983, p.338-347, eng) 39-2622
- Glaciological trace element investigations at German antarctic stations. Görlach, U., et al., (1985, p.42-49, ger) 39-2804
- Aeromagnetic measurements of the Filchner Ice Shelf and near Georg von Neumayer Station as part of the 1983/84 Filchner Ice Shelf Project. Kahnt, W., et al., (1985, p.60-67, ger) 39-2807
- George VI Ice Shelf
Current, temperature and salinity beneath George VI Ice Shelf. Loynes, J., et al., (1984, p.1037-1055, eng) 39-1004
- Dynamics of George VI Ice Shelf. Pearson, M.R., et al., (1983, p.205-220, eng) 39-1362
- Mass balance of a melting ice shelf. Potter, J.R., et al., (1984, p.161-170, eng) 39-1671
- Electrical resistivity of ice from the Antarctic Peninsula.
Reynolds, J.M., et al., (1984, p.289-295, eng) 39-3777
- Greenwich Island
Landing strip site survey on Greenwich Island. Alarcon, B., et al., (1983, p.156-194, eng) 39-2611
- Halley Station
New design concept for Halley Station. Smith, A., (1983, p.316-325, eng) 39-2620
- Geomagnetic measurements on moving ice shelf at Halley. Simmons, D.A., et al., (1984, p.407-417, eng) 39-3378
- Hays Glacier
Results of geodetic-glaciological work on Hays Glacier.
Reppchen, G., (1983, p.58-62, ger) 39-787
- Hobbs Coast
D/E Gishiga operations off Hobbs Coast and organization of the new antarctic station Russkaya. Kornilov, N.A., et al., (1984, p.5-12, rus) 39-1006
- Law Dome
Compacted snow as a pavement material for runway construction. Russell-Head, D.S., et al., (1984, p.231-247, eng) 39-400
- Studies of ice formation and ice fabric on the Law Dome, Antarctica. Xie, Z., (1984, p.1-22, chi) 39-930
- Lützow-Holm Bay
Seasonal change of chlorophyll *a* in Lützow-Holm Bay.
Fukuchi, M., et al., (1984, p.51-59, eng) 39-1068
- Seismic profiles of Amundsen and Lützow-Holm Bays, 1982. Moriawaki, K., (1984, p.61-65, eng) 39-1089
- Mawson Station
AANBUS: the creation of a building system for Antarctica. Incoll, P., (1980, var. p., eng) 39-2111
- Halon fire protection system for store buildings. (1982, var. p., eng) 39-2231
- Mawson bulk fuel system. (1982, var. p., eng) 39-2232
- Mawson site plan, Issue No.3. Banhidly, J., (1984, 1 sheet, eng) 39-2244
- Waste disposal at Australian antarctic stations. Holmes, I.E.B., et al., (1984, p.308-315, eng) 39-2246
- Rebuilding of Australia's 3 antarctic stations, Parts 1-3.
Gosbell, K.B., et al., (1983, p.214-273, eng) 39-2616
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- McMurdo Ice Shelf
Liquid conductivity of a 44-meter firm core, McMurdo Ice Shelf. Palais, J.M., et al., (1983, p.106-107, eng) 39-6
- McMurdo Sound
Stable isotope analysis of a submarine ice cliff at Explorers Cove, McMurdo Sound, Antarctica. Stockton, W.L., et al., (1984, p.112-115, eng) 39-249
- Influence of light on development and growth of sea-ice microbial communities in McMurdo Sound. Sullivan, C.W., et al., (1983, p.177-179, eng) 39-308
- Oceanography of the antarctic marginal ice zone. Smith, W.O., et al., (1983, p.190-192, eng) 39-311
- Distribution, abundance, and diversity of McMurdo Sound ice bacteria in 1980. Sullivan, C.W., et al., (1984, p.788-795, eng) 39-376
- Portable shelter for use in collecting sea bottom sediments.
Clark, N., (1983, p.208-209, eng) 39-2615
- Sea ice microbial communities. 3. Seasonal abundance of microalgae and associated bacteria, McMurdo Sound, Antarctica. McGrath Grossi, S., et al., (1984, p.231-242, eng) 39-3088
- Sea ice microbial communities. 4. The effect of light perturbation on microalgae at the ice-seawater interface in McMurdo Sound, Antarctica. Palmisano, A.C., et al., (1985, p.37-45, eng) 39-3089
- Visibility climatology of McMurdo Sound/Williams Field, Antarctica. Souders, C.G., (1984, 149p., eng) 39-3349
- Antarctic marine environments and offshore oil. Keys, J.R., (1984, 168p., eng) 39-3425
- Photosynthetic carbon assimilation in sea-ice microalgae from McMurdo Sound. Palmisano, A.C., et al., (1985, p.674-678, eng) 39-3743
- Icebergs off south Victoria Land. Keys, J.R., (1985, p.1-7, eng) 39-3863
- McMurdo Station
Unveiling the secrets of the ice continent. Zotikov, I.A., (1984, 248p., rus) 39-1369
- Operational weather forecasting using weather satellite imagery in Antarctica. Foster, M.S., (1983, p.21-24, eng) 39-2592
- Mirny Station
Antarctic ice berths. Dubrov, L.I., et al., (1984, p.33-41, rus) 39-1008
- Bearing strength of fast ice and antarctic transport operations during the spring-summer period. (1979, p.15-30, eng) 39-1366
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- Use of snow airfields in Antarctica for determination of accumulation rate and atmospheric precipitation.
Diurgenov, M.B., et al., (1985, p.87-93, rus) 39-2896
- Mizuho Plateau
Scatter of snow accumulation measured on the Mizuho Plateau. Satow, K., (1984, p.132-136, eng) 39-3455
- Snow structure and depth hoar formation on Mizuho Plateau. Nishimura, H., et al., (1984, p.137-146, eng) 39-3456
- Mizuho Station
Meteorological data at Mizuho Station in 1983. Narita, H., et al., (1985, 96p., eng) 39-3273
- Snow drift flux at Mizuho Station in 1982. Takahashi, S., et al., (1984, p.113-121, eng) 39-3453
- Atmospheric neutrons on snow field at Mizuho Station.
Kodama, M., et al., (1984, p.147-151, eng) 39-3457
- Statistical studies of snow accumulation at Showa and Mizuho Stations. Wada, M., (1985, p.1-11, eng) 39-3952

- Molodetzchnaya Station**
Carbon dating of plants and guano, and glaciological implications. Hebert, D., [1983, p.64-73, ger] 39-788
- Antarctic ice berths.** Dubrovnik, L.I., et al. [1984, p.33-41, rus] 39-1008
- Ionospheric observations of a GDR group during the 21st Soviet Antarctic Expedition 1975-1977.** Gernandt, H., [1979, p.1-56, ger] 39-1048
- Bearing strength of fast ice and antarctic transport operations during the spring-summer period.** [1979, p.15-30, eng] 39-1366
- Scientific/operational support to the Soviet Antarctic Expedition studies.** Romanov, A.A., [1983, p.89-93, eng] 39-2598
- Runway construction at Molodetzchnaya Station.** Averianov, V.G., et al. [1983, p.99-105, eng] 39-2603
- Construction and reconstruction of scientific stations in the Antarctic.** Korotkevich, E.S., et al. [1983, p.326-337, eng] 39-2621
- New Schwabenland**
Geological investigations in New Schwabenland. Spaeth, G., et al. [1984, p.174-185, ger] 39-1615
- Photogrammetry in western New Schwabenland 1983/84.** Sievers, J., et al. [1985, p.68-71, ger] 39-2808
- Novolazarevskaya Station**
Ionospheric observations of a GDR group during the 21st Soviet Antarctic Expedition 1975-1977. Gernandt, H., [1979, p.1-56, ger] 39-1048
- Bearing strength of fast ice and antarctic transport operations during the spring-summer period.** [1979, p.15-30, eng] 39-1366
- Distribution of electrical parameters in upper layers of shelf, land, and fast ice near Novolazarevskaya Station.** Khokhlov, G.P., [1984, p.360-365, eng] 39-3136
- Prince Harald Coast**
Japanese geomorphological research in the Lützow-Holm Bay region. Yoshida, Y., [1984, p.2-8, jpn] 39-2273
- Prince Olav Coast**
Japanese geomorphological research in the Lützow-Holm Bay region. Yoshida, Y., [1984, p.2-8, jpn] 39-2273
- Princess Elizabeth Land**
Archaeological and Late Proterozoic rocks on Princess Elizabeth Land. Weltman, P., et al. [1982, p.213-218, eng] 39-1251
- Prydz Bay**
Water masses and circulation in the region of Prydz Bay, Antarctica. Smith, N.R., et al. [1984, p.1121-1147, eng] 39-1005
- Queen Fabiola Mountains**
Ice thickness on cirque glaciers in the Yamato Mountains. Nagao, T., et al. [1984, p.9-16, eng] 39-1086
- Queen Maud Land**
Tritium in antarctic precipitation—information on global distribution. Hebert, D., [1984, p.7-22, eng] 39-127
- Glacial geomorphology between Breid Bay and Sør Rondane Mountains, Queen Maud Land.** Nishio, F., et al. [1984, p.11-18, eng] 39-2749
- Dirt layers and volcanic glass in the bare ice areas of Queen Maud Land and Victoria Land.** Nishio, M., et al. [1984, p.160-173, eng] 39-3459
- Composition of dirt layers in the bare ice areas of Queen Maud Land and Victoria Land.** Katsushima, T., et al. [1984, p.174-187, eng] 39-3460
- Riser-Larsen Ice Shelf**
Chemical composition of snow at the Riser-Larsen Ice Shelf. Gjessing, Y., [1984, p.825-830, eng] 39-664
- Survey of the ice shelf edges in the eastern and southern Weddell Sea.** Lange, M.A., [1984, p.53-56, eng] 39-1601
- Ronne Ice Shelf**
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- Potential effect of CO₂ warming on sub-ice-shelf circulation and basal melting.** MacAyeal, D.R., [1984, p.212-221, eng] 39-1509
- Filchner-Ronne Ice Shelf programme, Report 1 (1984).** Kohnen, H., comp. [1985, 38p., eng] 39-1528
- Filchner-Ronne Ice Shelf programme, Report 2 (1985).** Kohnen, H., comp. [1985, 136p., ger] 39-2799
- Accumulation on the Filchner/Ronne Ice Shelves.** Reinwarth, O., et al. [1985, p.7-17, ger] 39-2800
- Ice core drilling on the Filchner and Ronne Ice Shelves.** Jesberger, H.L., et al. [1985, p.32-41, ger] 39-2803
- Ross Ice Shelf**
Analysis of geophysical data from Dome C and the Ross Ice Shelf. Bentley, C.R., et al. [1983, p.104-105, eng] 39-5
- Ross Ice Shelf oxygen isotope profile at J-9.** Gronies, P.M., et al. [1983, p.107-109, eng] 39-7
- Chemistry of precipitation in relation to precipitation type.** Warburton, J.A., [1982, p.379-386, eng] 39-20
- Model of interactions between ice stream, ocean and solid ground in West Antarctica.** Lingle, C.S., [1983, 165p., eng] 39-23
- A three-dimensional time-dependent model of the West Antarctic ice sheet.** Budd, W.F., et al. [1984, p.29-36, eng] 39-168
- Interactions between polar ice streams and the sea.** Lingle, C.S., [1984, p.3523-3549, eng] 39-256
- Sea and ocean level fluctuations for 15,000 years.** Kaplan, P.A., ed. [1982, 230p., rus] 39-754
- Origin of "inundated shore lines" of glaciated North Atlantic shelves.** Grosvald, M.G., [1982, p.125-133, rus] 39-757
- Potential effect of CO₂ warming on sub-ice-shelf circulation and basal melting.** MacAyeal, D.R., [1984, p.212-221, eng] 39-1509
- Rheology of glacier ice.** Jezek, K.C., et al. [1985, p.1335-1337, eng] 39-1942
- Because a large part of the inland ice in West Antarctica lies on a bed far below sea level, the ice sheet is theoretically capable of an unstable and rapid shrinkage.** Bentley, C.R., [1983, p.1V.3-1V.5, eng] 39-2277
- Interactions between ice shelves and earth.** Lingle, C.S., et al. [1985, p.1100-1114, eng] 39-2364
- Not a search for kiwi bird.** Zonikov, I., [1984, 144p., rus] 39-2828
- Optimal measurement of ice-sheet deformation from surface-marker arrays.** MacAyeal, D.R., [1985, p.54-59, eng] 39-3725
- Mass balance of a portion of the Ross Ice Shelf.** Jezek, K.C., et al. [1984, p.381-384, eng] 39-3793
- Plio-Pleistocene glacial sequence cored at Ferrar Fjord.** Barrett, P.J., [1985, p.8-19, eng] 39-3864
- Ross Ice Shelf geophysical and glaciological survey (RIGGS).** Bentley, C.R., [1984, p.1-20, eng] 39-4029
- Glaciological studies on the Ross Ice Shelf, 1973-1978.** Thomas, R.H., et al. [1984, p.21-53, eng] 39-4030
- Ross Sea**
Surface roughness of Ross Sea pack ice. Govoni, J.W., et al. [1983, p.123-124, eng] 39-16
- Iceberg quantities, shapes, and sizes in western Ross and D'Urville Seas.** Keys, J.R., [1983, p.125-127, eng] 39-306
- Air-sea interactions over the Ross Sea in the surface boundary layer.** Saxena, V.K., et al. [1983, p.241-243, eng] 39-648
- West antarctic sea ice.** Ackley, S.F., [1984, p.88-95, eng] 39-1502
- Plankton in the ice of the Ross Sea.** Smith, W.O., et al. [1985, p.163-166, eng] 39-3140
- Antarctic marine environments and offshore oil.** Keys, J.R., [1984, 168p., eng] 39-3425
- Antarctic Peninsula and Ross Sea sediment descriptions.** Kaharodinn, F.A., et al. [1984, 242p., eng] 39-3637
- Icebergs off south Victoria Land.** Keys, J.R., [1985, p.1-7, eng] 39-3863
- Russkaya Station**
D/E Gishiza operations off Hobbs Coast and organization of the new arctic station Russkaya. Kornilov, N.A., et al. [1984, p.5-12, rus] 39-1006
- Schirmacher Ponds**
Isotope distribution and glaciology of the Schirmacher Ponds region. Hermichen, W.-D., et al. [1984, p.87-102, eng] 39-129
- Biogenic elements in Schirmacher Ponds in natural conditions and following human activities.** Kaup, E.B., [1984, p.42-48, rus] 39-977
- Isotope variations in flora from the Schirmacher Ponds region.** Strauch, G., et al. [1984, p.54-59, rus] 39-1011
- Laboratory base for geophysical observations.** Gernandt, H., et al. [1983, p.354-358, eng] 39-2624
- Scott Station**
Movement of resupply cargo to Scott Base by container. Clark, N., [1983, p.206-207, eng] 39-2614
- Fire equipment—sprinkler system.** Varcoe, G., [1983, p.382-384, eng] 39-2626
- Shirase Glacier**
Studies on the supraglacial lake located on the Shirase Glacier near the Oku-hyoga Rock. Nishio, F., et al. [1984, p.75-80, eng] 39-2750
- Showa Station**
Paralabidocera antarctica occurrence and age composition at Showa Station. Tanimura, A., et al. [1984, p.81-86, eng] 39-1069
- Fate of DDTs, PCBs and chlordane compounds in the antarctic marine ecosystem.** Hidaka, H., et al. [1984, p.151-161, eng] 39-1070
- P and S waves in rocks near Showa Station.** Yukutake, H., et al. [1984, p.17-27, eng] 39-1087
- Environmental pollution of chlorinated hydrocarbons in the Antarctic.** Hidaka, H., [1984, p.9-14, jpn] 39-2274
- Floor-elevated summer quarters at Syowa Station.** Hannuki, T., et al. [1983, p.348-353, eng] 39-2623
- BIOMASS program data, Showa Station, winter 1982.** Fukuchi, M., et al. [1985, 113p., eng] 39-3424
- Antarctic snow vehicle.** Hosoya, M., [1985, p.26-35, jpn] 39-3603
- Experimental hovercraft for the Antarctic.** Murao, R., et al. [1985, p.36-55, jpn] 39-3604
- JARE summer aircraft operations, 1956-1971.** Murakoshi, N., et al. [1985, p.56-62, jpn] 39-3605
- Wind-tunnel experiments of snowdrift formation at Showa Station.** Tomabechi, T., et al. [1985, p.114-119, jpn] 39-3606
- Statistical studies of snow accumulation at Showa and Mizuho Stations.** Wada, M., [1985, p.1-11, eng] 39-3952
- Siple Station**
Age difference between polar ice and trapped air bubbles. Schwander, J., et al. [1984, p.45-47, eng] 39-680
- Atmospheric CO₂ increases shown in polar ice cores.** Neftel, A., et al. [1985, p.45-47, eng] 39-3891
- South Pole**
Measurements of hydrogen peroxide in polar ice samples. Neftel, A., et al. [1984, p.43-45, eng] 39-2355
- Taylor Glacier**
Ice dynamics and thermal regime of Taylor Glacier. Robinson, P.H., [1984, p.153-160, eng] 39-1670
- Taylor Valley**
Origin of salts in antarctic saline lake waters. Masuda, N., et al. [1984, p.194-203, eng] 39-1094
- Hydrology and glaciology of the dry valleys, 1980-81.** Chinn, T.J., et al. [1983, 64p., eng] 39-1206
- Halotolerant Planococcus from antarctic dry valley soil.** Miller, K.J., et al. [1984, p.205-209, eng] 39-2326
- Teniente Rodolfo Marsh Station**
Gamma-dose exposure measurements in Chilean Antarctica. Stuardo B., E., [1984, p.9-21, spa] 39-3312
- Thiel Mountains**
Exploration for meteorite concentrations in the Thiel Mountains/Pecora Escarpment region, 1982-1983. Schutt, J., et al. [1983, p.83-86, eng] 39-2
- Tottuki Point**
Fate of DDTs, PCBs and chlordane compounds in the antarctic marine ecosystem. Hidaka, H., et al. [1984, p.151-161, eng] 39-1070
- Transantarctic Mountains**
Ice sheet overriding of the Transantarctic Mountains. Denton, G.H., et al. [1983, p.93-95, eng] 39-3
- Late Tertiary history of the antarctic ice sheet: from Dry valleys evidence.** Denton, G.H., et al. [1984, p.263-267, eng] 39-19
- Unter-See, Lake**
Isotope hydrology and hydrochemistry of Lake Unter-See. Hermichen, W.-D., et al. [1984, p.75-86, eng] 39-128
- Isotope study of Lake Unter-See.** Hermichen, W.-D., et al. [1985, p.131-133, eng] 39-3888
- Victoria Land**
Ice mass fluctuations in northern Victoria Land. Mayewski, P.A., [1983, p.112, eng] 39-10
- Slope processes in South Victoria Land.** Miotte, F.-D., [1984, p.1-53, eng] 39-725
- Field season in Victoria Land, 1981-1982.** Fudali, R.F., et al. [1984, p.9-16, eng] 39-1241
- Ablation and ice movement at the Allan Hills Main Icefield between 1978 and 1981.** Schultz, L., et al. [1984, p.17-22, eng] 39-1242
- Landsat images of Antarctica.** Hoppe, P., et al. [1981, p.637-647, eng] 39-1531
- Thickness of ice on perennially frozen lakes.** McKay, C.P., et al. [1985, p.561-562, eng] 39-2928
- Dirt layers and volcanic glass in the bare ice areas of Queen Maud Land and Victoria Land.** Nishio, M., et al. [1984, p.160-173, eng] 39-3459
- Composition of dirt layers in the bare ice areas of Queen Maud Land and Victoria Land.** Katsushima, T., et al. [1984, p.174-187, eng] 39-3460
- Cryptoendolithic microbial environment in the antarctic cold desert: temperature variations in nature.** McKay, C.P., et al. [1985, p.19-25, eng] 39-3556
- Meteorites in Antarctica—statistics on falls, concentration, recovery and alteration on ice-sheet.** Nagata, T., [1983, p.3-11, eng] 39-3870
- Vostok Station**
Study of the granulometric composition of ice core trace elements at Vostok Station by an electrooptical method. Barkov, N.I., et al. [1984, p.26-33, rus] 39-1007
- Soluble and insoluble impurities in Vostok ice core and climatic implications.** De Angelis, M., et al. [1984, p.215-239, eng] 39-1132
- Use of snow airfields in Antarctica for determination of accumulation rate and atmospheric precipitation.** Diurgerov, M.B., et al. [1985, p.87-93, rus] 39-2896
- Density and rheological properties of glacier ice.** Salamin, A.N., et al. [1985, p.94-106, rus] 39-2897
- Greenland Ice Sheet Program in perspective.** Langway, C.C., Jr., et al. [1985, p.1-8, eng] 39-3560
- Weddell Sea**
Elemental compositions and concentrations of microspherules in snow and pack ice from the Weddell Sea. Kumai, M., et al. [1983, p.128-131, eng] 39-307
- Studies of ice-algal communities in the Weddell Sea.** Garrison, D.L., et al. [1983, p.179-181, eng] 39-309
- Relative abundance of diatoms in Weddell Sea pack ice.** Clarke, D.B., et al. [1983, p.181-182, eng] 39-310
- Drag coefficient across the Antarctic marginal ice zone.** Andreas, E.L., et al. [1984, p.63-71, eng] 39-370
- Weddell polynya as a consequence of hydrophysical processes in the Weddell circulation.** Bagriantsev, N.V., et al. [1984, p.1238-1242, rus] 39-375
- Sea ice data buoys in the Weddell Sea.** Ackley, S.F., et al. [1984, 18p., eng] 39-384
- Ice dynamics.** Hibler, W.D., III, [1984, 52p., eng] 39-896
- Sea ice brightness temperatures in the Weddell Sea.** Murray, C.W., Jr., et al. [1984, 89p., eng] 39-1391

Antarctica

Weddell Sea (cont.)

- Variability of atmospheric circulation at the surface of the South Pacific Ocean in summer. Loon, H. van, (1984, p.63-72, eng) 39-1500
- Marine geophysical work during Antarctic II/4. Miller, H., et al. (1984, p.116-128, eng) 39-1608
- Marine geology and bottom profiling of the Weddell Sea. Haase, G., (1984, p.129-136, eng) 39-1609
- Late winter chlorophyll *a* distributions in the Weddell Sea. Marra, J., et al. (1984, p.197-205, eng) 39-1826
- Siliceous microfauna in waters beneath antarctic sea ice. Morley, J.J., et al. (1984, p.207-210, eng) 39-1827
- Variations in the sea ice edge in the Weddell Sea. Lange, M., (1985, p.26-31, ger) 39-2802
- Atmospheric circulation and formation of Weddell polynyas. Lysakov, E.P., (1985, p.5-11, rus) 39-2891
- Sea ice algal communities in the Weddell Sea. Garrison, D.L., et al. (1983, p.103-122, eng) 39-3156
- Secular variations in cyclone frequencies near the Drake Passage, Southwest Atlantic. Mayes, P.R., (1985, p.5829-5839, eng) 39-3532
- Heat and moisture advection over antarctic sea ice. Andreas, E.L., (1985, p.736-746, eng) 39-3554

West Antarctica

- Model of interactions between ice stream, ocean and solid ground in West Antarctica. Lingle, C.S., (1983, 165p., eng) 39-23
- Potential CO₂-induced changes in West Antarctica. (1984, 236p., eng) 39-1498
- Precipitation regime of the west antarctic ice sheet. Bromwich, D.H., (1984, p.107-115, eng) 39-1504
- Temperatures of West Antarctica compared to those of other antarctic regions. Lambert, D.W.S., (1984, p.116-139, eng) 39-1505
- Because a large part of the inland ice in West Antarctica lies on a bed far below sea level, the ice sheet is theoretically capable of an unstable and rapid shrinkage. Bentley, C.R., (1983, p.IV.3-IV.50, eng) 39-2277
- Greenhouse effect and nuclear energy. Okamoto, K., (1984, p.671-678, jpn) 39-3633

Wilkes Land

- Ice flow at the Dome C ice divide. Bolzan, J.F., (1985, p.8111-8124, eng) 39-4009

Wright Valley

- Origin of salts in antarctic saline lake waters. Masuda, N., et al. (1984, p.194-203, eng) 39-1094
- Hydrology and glaciology of the dry valleys, 1980-81. Chinn, T.J., et al. (1983, 64p., eng) 39-1206

Antifreezes

- Fish antifreeze protein and the freezing and recrystallization of ice. Knight, C.A., et al. (1984, p.295-296, eng) 39-18
- Winter concreting with the use of antifreeze admixtures. Logatda, A.V., (1984, p.23-26, rus) 39-1551
- Concrete admixtures. Kuntsevich, O.V., (1984, p.25-26, rus) 39-1643
- Deicer composition. Standish, N.W., et al. (1965, 6 col., eng) 39-3830
- Deicer composition. Standish, N.W., et al. (1966, 6 col., eng) 39-3832
- Process of making calcium acetate deicing agents. Gancy, A.B., (1983, 10 col., eng) 39-3856
- Process of making two uniform grades of calcium magnesium acetate. Gancy, A.B., (1983, 6 col. + figs., eng) 39-3857
- Water-activated exothermic chemical deicing formulations. Gancy, A.B., (1983, 6 col., eng) 39-3858
- Water-activated exothermic chemical formulations. Gancy, A.B., (1984, 10 col., eng) 39-3859
- Novel road and highway deicer and traction agent, and process for its manufacture. Gancy, A.B., (1984, 8 col., eng) 39-3860
- Process of making calcium acetate deicing agents and product. Gancy, A.B., (1984, 10 col., eng) 39-3861

Anticaking additives

See: Chemical ice prevent.

Aquatic plants

- Aquatic mosses in permafrost areas. Lapaev, G.P., et al. (1981, p.45-46, rus) 39-65

Arctic landscapes

- Pedologic and geographic regionalization of the Far North-East. Ignatenko, N.V., et al. (1982, p.44-96, rus) 39-30
- Bryo-lichenological studies of high-altitude regions and the northern USSR. Shliakov, R.N., et al. (1981, 125p., rus) 39-55
- Studied mossy plants of the USSR and problems of their further investigation. Shliakov, R.N., (1981, p.3-9, rus) 39-56
- Using space imagery in compiling landscape maps. Riabchikova, V.I., (198, p.39-45, rus) 39-159
- Micromycetes in soils of an Arctic tundra ecosystem. Bab'eva, E.N., et al. (1983, p.71-74, rus) 39-221
- Arctic mosses of the USSR. Abramov, I.I., et al. (1973, p.174-176, rus) 39-449
- All-Union conference "Vegetational cover of Subarctic highlands and problems of Arctic-Alpine floristic bonds". Khibiny, July 10-15, 1984. Summaries (1984, 113p., rus) 39-503

- Extrazonal vegetation in the Byrranga Mountains (Arctic Taymyr Peninsula). Rapota, V.V., (1984, p.27-28, rus) 39-511

High altitude flora of Ural Mountains

- Gorchakovskii, P.L., (1984, p.53-54, rus) 39-518

Communities of Arctic and Alpine plants on Pamirs

- Ikonnikov, S.S., et al. (1984, p.57-58, rus) 39-519

Floristic bonds between Arctic islands of the USSR and high plateaus

- Maksimova, M.I., (1984, p.66-67, rus) 39-522

Arctic element in the Carpathian flora

- Malinovsky, K.A., (1984, p.67-68, rus) 39-523

Cosmo-geological methods of investigating the Arctic

- Lopatn, B.G., ed. (1984, 108p., rus) 39-1107

Influence of Arctic natural conditions on the information content of satellite photographs

- Kutelnikova, N.S., et al. (1984, p.5-11, rus) 39-1108

See also: Polar regions

Arctic Ocean

- On the Far Eastern meridians. Vol'mer, I.U., (1984, p.20-23, rus) 39-124

Last reconnaissance

- Popov, S., (1984, p.23-25, rus) 39-125

Peculiarities of year-to-year variations in water circulation in the Arctic Basin

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Cryospheric impacts of Soviet river diversion schemes

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Mean ice motion in the Arctic Ocean

- Colony, R., (1984, p.91-94, eng) 39-374

Chemical-biological indication of water masses in the Chukchi Sea

- Ryzhov, V.M., et al. (1984, p.26-40, rus) 39-471

Challenge of the Arctic offshore—an introduction

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Arctic exploration and production structures

- Rojansky, M., (1984, p.31-38, eng) 39-575

Arctic hydrocarbon transportation systems in the 21st century

- Lanan, G.A., et al. (1984, p.45-53, eng) 39-577

Wave attenuation by floating ice

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Accumulation of deviations, due to errors in correction-signal performance of gyrocompasses in high latitude navigation

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Sea and ocean level fluctuations for 15,000 years

- Kaplin, P.A., ed. (1982, 230p., rus) 39-754

Structures of northern sea shores

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Cryogenic processes and phenomena in Siberia

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Subsea cryolithozone

- Zhigarev, L.A., (1984, p.3-13, rus) 39-833

Scientific and engineering studies: underwater acoustics in the Arctic

- (1984, var.p., eng) 39-940

Underwater Sound Laboratory's Arctic research program, 1958-1962

- Wilson, D.P., et al. (1984, 37p., eng) 39-941

TRISTEN/FRAM II cruise report, East Arctic, April 1980

- DiNapoli, F.R., et al. (1984, 24p., eng) 39-942

FRAM II single channel ambient noise statistics

- R.F., (1984, 29p., eng) 39-943

Acoustic problems

- Dwyer, R.F., (1984, 2p., eng) 39-944

Under ice ambient noise measurement

- Dwyer, R.F., (1984, 15p., eng) 39-945

Evaluation of Arctic transmission loss models

- Deavenport, R.L., et al. (1984, 21p., eng) 39-946

Ray-mode equivalence in the Arctic sound channel

- Mellen, R.H., (1984, 20p., eng) 39-947

TRISTEN/FRAM IV CW spatial coherence and temporal stability

- DiNapoli, F.R., et al. (1984, 22p., eng) 39-948

TRISTEN/FRAM IV Arctic ambient noise measurements

- Nielsen, R.J., et al. (1984, 12p., eng) 39-949

Underwater acoustics in the Arctic Ocean

- Mellen, R.H., et al. (1984, 6p., eng) 39-950

Improvements in planning the development of merchant marine

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Cargo transportation in the Arctic

- Egorov, N.P., (1983, p.43-47, rus) 39-964

Improving the performance of heavy icebreakers in the Arctic

- Dolban, V.A., et al. (1983, p.47-50, rus) 39-965

Submarine tanker navigation in the Arctic

- Clautice, W.G., et al. (1974, p.29-37, eng) 39-980

United States Arctic interests: the 1980s and 1990s

- Westermeyer, W.E., ed. (1984, 369p., eng) 39-1012

United States and the role of science in the Arctic

- Weller, G., (1984, p.158-177, eng) 39-1014

United States security interests in the Arctic

- Johnson, G.L., et al. (1984, p.268-294, eng) 39-1016

Cosmo-geological methods of investigating the Arctic

- Lopatn, B.G., ed. (1984, 108p., rus) 39-1107

Combined use of geological and geophysical data, bathymetry, and satellite photographs in morphological analyses of the western Arctic shelf

- Zarkhidze, V.S., et al. (1984, p.84-93, rus) 39-1110

- Interpretation of anomalies on spaceborne photographs of Arctic Ocean bottom. Gurevich, V.I., et al. (1984, p.94-108, rus) 39-1111

Shore ice override and pileup features, Beaufort Sea

- Kovacs, A., (1984, 28p. + map, eng) 39-1142

Seasonal variation of polar ice and snow boundaries

- Beeva, I.M., et al. (1983, p.29-41, rus) 39-1358

Characteristics of the distribution of total annual precipitation by drainage areas of the Arctic and their variations

- Brazgin, N.N., (1979, p.30-39, eng) 39-1367

Ice surveying

- Strugatskii, V., (1984, 128p., rus) 39-1385

New navigation method in heavy ice

- Shatalin, N., (1984, p.24-25, rus) 39-1549

Navigation methods for extremely dangerous ice conditions

- Polunin, F., et al. (1984, p.28-33, rus) 39-1563

Marine phytoplankton and sea ice microalgae, Arctic Canada

- Hsiao, S.I.C., (1983, p.225-313, eng) 39-1742

Arctic Offshore Technology Conference, 1984

- (1984, var.p., eng) 39-1845

Ice-age Arctic ocean ice-sheets: a possible direct link with insolation

- Fillon, R.H., (1982, p.223-240, eng) 39-1984

Study of the M2 tide in the ice-covered Arctic Ocean

- Kowalik, Z., (1981, p.201-223, eng) 39-2001

Numerical interpretation of spaceborne side-looking radar images

- Pichugin, A.P., et al. (1984, p.82-90, rus) 39-2057

Permafrost beneath the Arctic seas

- Zhigarev, L.A., (1984, p.311-314, eng) 39-2179

Ivan Papanin—hero of the Arctic. Documented essay

- Tikhomirov, G.S., (1984, 188p., rus) 39-2240

Probability model of ice conditions on Arctic seas

- Trapeznikov, I.U.A., et al. (1984, p.39-42, rus) 39-2248

Sea ice motion as a drunkard's walk

- Colony, R., et al. (1985, p.965-974, eng) 39-2359

Anthropogenic chlorofluoromethanes in the central Arctic Ocean

- Wallace, D.W.R., et al. (1985, p.1155-1166, eng) 39-2366

Calculating sea ice thickness in the Arctic

- Efimova, N.A., (1984, p.3-10, rus) 39-2378

Large-capacity ships in the Arctic

- Il'inskii, K., (1985, p.27-32, rus) 39-2455

Distribution of ice concentration. Multiyear and first year fraction in the Arctic Ocean derived from the NIMBUS-7 SMMR observations

- Svensden, E., et al. (1984, p.395-397, eng) 39-2545

Arctic marine acoustics

- Kutschale, H.W., (1984, 229p., eng) 39-2831

Arctic shipping

- (1984, p.37-46, eng) 39-2876

Environmental impact by offshore structures in the Arctic Ocean

- Craig, S.J., (1984, 9 chapters, eng) 39-3052

Arctic ocean engineering for the 21st century: Proceedings

- (1985, 234p., eng) 39-3326

Oil, strategy & ocean law in the Arctic: a scenario for the 21st century

- Ostreg, W., (1985, p.99-116, eng) 39-3335

Submarines in perspective

- Jacobsen, L., (1985, p.215-217, eng) 39-3341

My polar travels

- Treshnikov, A.F., (1985, 478p., rus) 39-3348

Architectural and structural type, nautical and ice-navigational qualities of promising ships

- Panin, I.U.I., ed. (1984, 105p., rus) 39-3382

Shelf-4 drilling rig for the Arctic

- Savchenko, A., (1985, p.31, rus) 39-3404

Science program for an imaging radar receiving station in Alaska

- Weller, G., et al. (1983, 45p., eng) 39-3415

Thermohaline circulation in the Arctic mediterranean seas

- Aagaard, K., et al. (1985, p.4833-4846, eng) 39-3430

Mesoscale eddies of the Arctic Ocean

- Manley, T.O., et al. (1985, p.4911-4930, eng) 39-3433

Formation of average monthly air temperatures during the period of winter cooling of the sea in the western part of the Arctic

- Ivanov, V.V., (1984, p.33-41, eng) 39-3448

Calculations of large-scale circulation of waters in the Arctic Basin from a diagnostic model

- Ponomarev, V.I., (1984, p.78-91, eng) 39-3654

Model of ocean currents in the Arctic Basin

- Benzeman, V.I.U., (1984, p.92-101, eng) 39-3655

Peculiarities of heat exchange between the atmosphere and ocean in the Arctic Basin

- Makshas, A.P., (1984, p.102-108, eng) 39-3656

Portable echo fathometer

- Kovchin, I.S., et al. (1984, p.160-165, eng) 39-3657

Arctic underwater operations

- Rey, L., ed. (1985, 356p., eng) 39-3673

Ice conditions in the Arctic

- Sanderson, T.J.O., (1985, p.283-296, eng) 39-3675

Shore-zone ice scour statistics: Implications to coastal development

- Harper, J.R., (1985, p.223-230, eng) 39-3766

Diverting Soviet rivers: some possible repercussions for the Arctic Ocean

- Cattle, H., (1985, p.485-498, eng) 39-3867

- Argentina**
—Mendoza
 Evidence of ice wedge fossils in southern Mendoza Province. Abraham de Vazquez, E.M., et al. [1984, p.3-11, spa] 39-3939
 Mendoza's mountain soils: geocryogenic and edaphic aspects. Regairaz, M.C., [1984, p.162-173, spa] 39-3948
—Patagonia
 Polygons in the seasonally freezing area of Rio Gallegos, S. Patagonia. Bustos, R., et al. [1984, p.39-46, spa] 39-3942
 Age of cryogenic structures of Puerto Madryn, Chubut, Argentina. Corte, A.E., et al. [1984, p.66-72, spa] 39-3943
—Puna
 Hydrology of mountain peat bogs, Puna and Cordillera, Argentina. Igarzábal, A.P., [1984, p.106-115, spa] 39-3945
—San Juan Province
 Geocryogenic processes in San Juan Province, Argentina. Simon, W., [1984, p.197-203, spa] 39-3950
Artesian water
 Preventing the freezing of artesian wells. Ritus, V.I., et al. [1984, p.56-57, rus] 39-427
 Permafrost and hydrogeological conditions of eastern Siberia. Shepelev, V.V., et al. [1984, 191p., rus] 39-1450
Artificial freezing
 Effect of temperature changes on salt transfer in ground water. Konosavskii, P.K., [1984, p.63-66, rus] 39-420
 Improving shaft sinking by artificial freezing of ground. Shparber, P.A., [1984, p.6-8, rus] 39-822
 Using liquid nitrogen in artificial freezing of rocks. Vial'tsev, M.M., et al. [1984, p.21-22, rus] 39-823
 Stresses in artificially frozen zones of mine shafts. Kazikhev, D.M., et al. [1984, p.11-13, rus] 39-824
 Strengthening frozen bases by cooling. Gapeev, S.I., [1984, 152p., rus] 39-1322
 Construction of dumping grounds on permafrost bases. Kuznetsov, G.I., et al. [1984, p.29-30, rus] 39-1343
 Performance of thermopiles at the Sytykanskaya earth-rock fill dam. Gorshkov, V.G., et al. [1984, p.41-42, rus] 39-1593
 Construction of tunnels. Fedorov, G.A., [1984, p.13-15, rus] 39-1642
 Erecting pile-drivers on artificially frozen ground. Vialov, S.S., et al. [1984, p.7-10, rus] 39-1830
 Controlling the state of artificially frozen lines. Tiutunnik, P.M., et al. [1984, p.14-19, rus] 39-1831
 Concretes for mine shafts in permafrost areas. Trofimov, B.I.A., et al. [1984, p.16-18, rus] 39-1841
 Calculating summer temperature of frozen ground curtains in earth dams. Raspopin, G.A., et al. [1984, p.97-101, rus] 39-1978
 Refrigeration pipelines for controlling bearing strength of gas-main foundations. Dvortis, A.D., et al. [1984, p.44-46, rus] 39-2102
 Artificial ice masses in Arctic seas. Mel'nikov, P.I., et al. [1984, p.264-267, eng] 39-2169
 Adsorption modification method of increasing ice formation temperature. Nechaev, E.A., et al. [1985, p.99-107, rus] 39-3360
 Thermopile construction in the North. Vialov, S.S., et al. [1984, 148p., rus] 39-3380
 Symposium on artificial ground freezing, 1984. [1985, 54p., eng] 39-3406
 Artificial ground freezing in civil engineering. Harris, J.S., [1984, p.1-6, eng] 39-3407
 Control of ground and groundwater for shaft sinking. Ferguson, G.A., et al. [1984, p.7-12, eng] 39-3408
 Some results from a mathematical model predicting ice lensing and frost heave. Piper, D., et al. [1984, p.19-28, eng] 39-3410
 Ice wall design in shaft sinking. Jeffrey, R.I., [1984, p.29-24, eng] 39-3411
 Freeze wall strength and stability—whose theory do you believe. Auld, F.A., [1984, p.35-42, eng] 39-3412
 Experience with a chilled gas pipeline. Kettle, R.J., [1984, p.43-48, eng] 39-3413
 Role of field observations in bridging the gap between theory and practice. Jones, R.H., [1984, p.49-54, eng] 39-3414
 Mechanical dehydration of frozen peat. Aleksandrov, B.M., et al. [1984, p.15-17, rus] 39-3541
 Solution of phase change problems. O'Neill, K., [1983, p.134-146, eng] 39-3965
Artificial ice
 Mechanics of ice failure at different temperatures. Epifanov, V.P., [1984, p.188-196, rus] 39-320
 Ice platform artificially built on sea ice cover. Latalin, D.A., et al. [1984, p.48-52, rus] 39-417
 Naled ice accretion and melting. Petukhova, N.A., [1984, p.13-21, rus] 39-834
 Theoretical basis for obtaining friable ice. Smorygin, G.I., [1984, 157p., rus] 39-1154
 Observations on the growth of urea ice on a small ice basin. Ettema, R., et al. [1984, p.207-216, eng] 39-1804
 Recent experience in conducting ice model tests using a synthetic ice modeling material. Schultz, L.A., et al. [1984, p.229-239, eng] 39-1806
 Crystalline structure of urea ice sheets used in modeling in the CRREL test basin. Gow, A.J., [1984, p.241-253, eng] 39-1807
 Building up ice masses from sea water. Kamenskii, R.M., et al. [1984, p.219-223, rus] 39-2795
 Producing artificial ice layers over large areas. Sosnovskii, A.V., [1984, p.223-231, rus] 39-2796
 Spray-cone method of upbuilding ice masses in Spitsbergen. Gokhman, V.V., et al. [1984, p.231-237, rus] 39-2797
 Trapping of xenon in ice: implications for the origin of Earth's noble gases. Wacker, J.F., et al. [1984, p.2373-2380, eng] 39-2925
Artificial islands
 Arctic exploration and production structures. Rojansky, M., [1984, p.31-38, eng] 39-575
 Past and future developments in Arctic structures. Bruce, J., [1984, p.39-44, eng] 39-576
 Beaufort Sea caisson retained island. Comyn, M., [1984, p.40-44, eng] 39-737
 Concrete structure designed for Arctic. [1984, p.92-94, eng] 39-812
 Ice conditions around artificial islands, 1976-1977. Favrat, D., [1982, 84p., eng] 39-897
 API bulletin on planning, designing, and constructing fixed offshore structures in ice environments. [1982, 49p., eng] 39-1383
 Grounded rubble fields adjacent to offshore structures. Sayed, M., et al. [1984, p.11-17, eng] 39-1618
 Offshore drilling boom expanding in Alaska. [1985, p.64-66, eng] 39-1726
 Development of Beaufort Sea hydrocarbons. Todd, M.B., [1983, p.22-43, eng] 39-1748
 Caisson Retained Island (CRI) the first year of operation. Comyn, M.I., [1984, 12p., eng] 39-1847
 Design, construction and deployment of a concrete island drilling system the Glomar Beaufort Sea I. Wetmore, S.B., et al. [1984, 39p., eng] 39-1848
 Development of new structures combined with use of rubble fields. Potter, R.E., [1984, 18p., eng] 39-1860
 Mobile Arctic Island (MAI) for drilling and production. Berlie, E.M., et al. [1984, 42p., eng] 39-1862
 Mobile concrete island drilling system for arctic offshore operations. Wetmore, S.B., et al. [1984, p.1-11, eng] 39-1911
 Artificial ice masses in Arctic seas. Mel'nikov, P.I., et al. [1984, p.264-267, eng] 39-2169
 Reinforced underwater ice berm. Michel, B., [1985, p.281-285, eng] 39-2425
 Numerical analysis of a caisson retained gravel island. Saari, K.H.O., et al. [1985, p.294-301, eng] 39-2427
 Mobile concrete production platform for the Beaufort Sea. Valenchen, C., [1983, p.820-827, fre] 39-2938
 Artificial islands. Putot, C., [1983, p.828-833, fre] 39-2939
 Environmental impact by offshore structures in the Arctic Ocean. Craig, S.J., [1984, p.9 chapters, eng] 39-3052
 Molikpaq development at Tarsiut P-45. Jefferies, M.G., et al. [1985, p.1-27, eng] 39-3159
 Overview of artificial island design and construction in the Arctic. Wang, J.L., et al. [1985, p.28-38, eng] 39-3160
 Geotechnical features of Fur Seal Island design. Luscher, U., et al. [1985, p.39-47, eng] 39-3161
 Arctic island construction. Robertson, F.P., [1985, p.48-56, eng] 39-3162
 Oceanwheel artificial island. Capron, M.E., [1985, p.57-65, eng] 39-3163
 Modular construction technology for arctic islands. Buslov, V.M., [1985, p.66-74, eng] 39-3164
 Slope protection of arctic offshore artificial islands. Chow, W.Y., et al. [1985, p.102-110, eng] 39-3165
 Effect of ice overdrive and pileup on artificial islands. Hocking, G., et al. [1985, 185-192, eng] 39-3171
 Probabilistic design of gravity foundations for arctic offshore structures. Vivatrat, V., et al. [1985, p.421-429, eng] 39-3191
 Three-dimensional analysis of an artificial island. Evgin, E., et al. [1985, p.617-625, eng] 39-3209
 Geotechnical design of caisson islands. Been, K., et al. [1985, p.1206-1214, eng] 39-3253
 Canadian perspective on Arctic offshore operations. Crossdale, K.R., [1985, p.50-54, eng] 39-3329
 Ice conditions and fixed platforms. Jumpanen, P., [1985, p.181-192, eng] 39-3337
 Steel structures for the Arctic Ocean. Itoh, K., [1985, p.219-234, eng] 39-3342
 Beaufort highlights. [1985, p.100-122, eng] 39-3416
 Rubble-protected drilling systems developments. Graham, B.W., et al. [1984, p.113-125, eng] 39-3475
 Arctic operations. Goodfellow, R., [1985, p.271-282, eng] 39-3674
 Viscoelastic approach to the ice load evaluation. Kajaste-Rudnitski, J., et al. [1985, 23p. + appends., eng] 39-3690
Artificial melting
 Equipment for thermomechanical loosening of frozen cargo. Donov, P.A., [1984, p.7, rus] 39-3538
Artificial precipitation
 See: Cloud seeding; Weather modification
Artificial satellites
 See: Spacecraft
Artificial thawing
 Feasibility study of permafrost thawing regime by electric heaters. Maksimenko, E.S., [1984, p.34-36, eng] 39-1077
Ashes
 See: Volcanic ash
Asphalt concretes
 See: Bituminous concretes
Asphalts
 See: Bitumens
Atlantic Ocean
 International Ice Patrol service, N. Atlantic Ocean, 1980. [1981, 73p., eng] 39-1227
 International Ice Patrol service, N. Atlantic Ocean, 1981. [1983, 47p., eng] 39-1228
 Oil and gas development concepts, Sable Island and Hybernia. Romanski, W., [1980, 38p., eng] 39-1313
 International Ice Patrol service, N. Atlantic Ocean, 1983. [1984, 73p., eng] 39-1948
 International Ice Patrol Services, N. Atlantic Ocean, 1982. [1984, 30p. + appends., eng] 39-2324
Atlases
 See: Maps
Atmosphere
 See: Air masses; Atmospheric physics; Meteorology
Atmospheric attenuation
 Attenuation of infrared radiation by ice platelets. Petrushin, A.G., [1979, p.403-407, eng] 39-1359
Atmospheric circulation
 Synoptic-climatic analysis of situations in the El'brus Mountain area. Vetrov, N.A., et al. [1984, p.16-32, rus] 39-290
 Drag coefficient across the Antarctic marginal ice zone. Andreas, E.L., et al. [1984, p.63-71, eng] 39-370
 Turbulent fluxes in the surface layer of the atmosphere. Timokhov, L.A., [1984, p.181-190, eng] 39-703
 Force of air friction against ice. Karelin, I.D., et al. [1984, p.207-219, eng] 39-705
 Temperature anomalies and their association with atmospheric circulation. Rogers, J.C., [1983, p.502-518, eng] 39-861
 Relations between changes of the sign of anomalies of maximum snow water reserves and the changes in circulation conditions. Karapetian, E.M., et al. [1983, p.93-101, rus] 39-909
 Hydroclimatic conditions of the Amur River region. Naprasnikov, A.T., et al. [1983, 68p. + 15 maps, rus] 39-1449
 Atmospheric circulation affecting the west antarctic region in summer. Trenberth, K.E., [1984, p.73-87, eng] 39-1501
 AGCM simulations of the modern antarctic climate. Schlesinger, M.E., [1984, p.155-196, eng] 39-1507
 Seasonal movements of air masses in the Martian atmosphere. Aleshin, V.I., [1981, p.614-617, eng] 39-1598
Atmospheric circulation and glacier mass balance.
 Yarnal, B., [1984, p.188-198, eng] 39-1674
 Atmospheric turbulence measurements at SNOW-ONE-B. Andreas, E.L., [1983, p.81-87, eng] 39-1953
 Distribution of glaciers on the Qinghai-Xizang Plateau and its relationship to atmospheric circulation. Li, J., et al. [1984, p.84-93, eng] 39-2302
 Synoptic ice dynamics and atmospheric circulation during the Bering Sea Experiment. Campbell, W.J., et al. [1982, p.158-179, eng] 39-2740
Atmospheric composition
 Core processing and analyses of ice cores drilled at the South Pole. Stauffer, B., et al. [1983, p.114-116, eng] 39-12
 Isotopes in antarctic research. [1984, 132p., eng] 39-126
 Tritium in antarctic precipitation: information on global distribution. Hebert, D., [1984, p.7-22, eng] 39-127
 Atmospheric CO₂ concentration during the last glaciation. Stauffer, B., et al. [1984, p.160-164, eng] 39-191
 Precipitation of atmospheric dust on mountain glacier surfaces. Glazyrin, G.E., et al. [1984, p.120-125, rus] 39-643
 Case study of a mesoscale disturbance at Filchner Station. Halbsguth, G., [1985, p.96-103, ger] 39-2812
 Trapping of xenon in ice: implications for the origin of Earth's noble gases. Wacker, J.F., et al. [1984, p.2373-2380, eng] 39-2925
 Subnivean CO₂ and its effects on small mammal distribution. Penny, C.E., et al. [1984, p.373-380, eng] 39-2934
 Estimates of future sea level rise. Hoffman, J.S., [1984, p.79-103, eng] 39-2992
 Neutron-activation technique of analyzing snow precipitation for monitoring microelement flux from the atmosphere into Lake Baykal. Vetrov, N.A., et al. [1985, p.211-218, rus] 39-3077
 Inflow of heavy-metal aerosols into southern taiga landscapes of the central Ural mountains. Mel'chakov, H. I., [1985, p.80-82, rus] 39-3109

Atmospheric composition (cont.)

- Behavior of Sr-90 and Cs-137 in soils and their accumulation in plants. Aliev, D.A., et al. [1985, p.85-89, rus] 39-3110
- Ice cores data: climatic and environmental changes since the last glacial maximum. Lorius, C., [1983, p.37-49, fre] 39-3526
- CO₂ concentration in air extracted from Greenland ice samples. Stauffer, B., et al. [1985, p.85-89, eng] 39-3571
- Atmospheric CO₂ increases shown in polar ice cores. Neftel, A., et al. [1985, p.45-47, eng] 39-3891
- Atmospheric CO₂ variations in antarctic ice cores. Raynaud, D., et al. [1985, p.309-311, eng] 39-3892
- Atmospheric pollution registered in ice cores and snow. Alderton, D.H.M., et al. [1985, p.97-153, eng] 39-3905

Atmospheric density

- Snow concentration and effective air density during snowfalls. Mellor, M., [1983, p.505-507, eng] 39-211

Atmospheric disturbances

- Cyclone variability and relationship to sea ice extent. Howarth, D.A., [1983, p.519-537, eng] 39-862
- Variability of atmospheric circulation at the surface of the South Pacific Ocean in summer. Loon, H. van, [1984, p.63-72, eng] 39-1500
- Associated changes in west antarctic cyclonic activity and sea ice. Carleton, A.M., [1984, p.96-106, eng] 39-1503
- Atmospheric boundary layer changes at Filchner Station. Schaller, E., [1985, p.72-77, ger] 39-2809
- Atmospheric circulation and formation of Weddell polynya. Lysakov, E.P., [1985, p.5-11, rus] 39-2891
- Effect of Lake Michigan on a surface synoptic low. Clark, D., [1984, p.335-345, eng] 39-2972
- Secular variations in cyclone frequencies near the Drake Passage, Southwest Atlantic. Mayes, P.R., [1985, p.5829-5839, eng] 39-3532
- Statistical studies of snow accumulation at Showa and Mizuho Stations. Wada, M., [1985, p.1-11, eng] 39-3952

Atmospheric electricity

- Atmospheric electricity during snowfall. Endoh, T., et al. [1984, p.85-100, jpn] 39-4038

Atmospheric physics

- Atmospheric electricity during snowfall. Endoh, T., et al. [1984, p.85-100, jpn] 39-4038

Atmospheric pressure

- Synoptic sea ice-atmosphere interactions. Carleton, A.M., [1984, p.7245-7258, eng] 39-260
- Seasonal movements of air masses in the Martian atmosphere. Aleshin, V.I., [1981, p.614-617, eng] 39-1598
- Subglacial water conduits. Hooke, R.L., [1984, p.180-187, eng] 39-1673
- Statistical synoptic method of forecasting level oscillations in the southeastern Laptev Sea. Vanda, I.U.A., [1984, p.25-32, eng] 39-3647
- Interrelationship of seasonal pressure variations in high latitudes of the northern and southern hemispheres. Lutsenko, E.I., [1984, p.96-102, eng] 39-3665

Attenuation

- Radio wave attenuation in snowfall. Babkin, I.U.S., et al. [1971, p.2171-2174, eng] 39-357
- Attenuation of visible and infrared radiation in rain and snow. Sokolov, A.V., [1971, p.2175-2178, eng] 39-358
- Wave attenuation by floating ice. Popov, B.A., [1984, p.58-60, rus] 39-581
- Attenuation and backscatter for snow and sleet at 96, 140, and 225 GHz. Nemerich, J., et al. [1984, p.41-52, eng] 39-2947
- Catalog of smoke/obscuration characterization instruments. O'Brien, H.W., et al. [1984, p.77-82, eng] 39-2950
- Approach to snow propagation modeling. Koh, G., [1984, p.247-259, eng] 39-2965
- Regional difference of attenuation of radio waves within antarctic ice sheet. Ohmae, H., et al. [1984, p.152-159, eng] 39-3458

See also: Atmospheric attenuation

Austria**—Alps**

- Permafrost mapping of rock glaciers, Austrian Alps. Haeblerli, W., et al. [1983, p.127-150, ger] 39-101
- Glaciers of the Austrian Alps, 1981/82. Patzelt, G., [1983, p.175-190, ger] 39-105
- New map "Nördliches Bockkarkees 1979". 1:100,000. Slupetzky, H., et al. [1983, p.163-171, eng] 39-1966
- Glaciers of the Austrian Alps, 1982-1983. Patzelt, G., [1983, p.173-188, eng] 39-1967
- Glacier surveys in Pasterze (Glockner Group), 1983. Wakonig, H., [1983, p.189-194, eng] 39-1968
- Creep and sliding in clay slopes during freeze thaw cycles. Czarda, K.A., et al. [1984, 45p., eng] 39-2514

—Hintereisferner

- Evaporation on Hintereisferner. Kaser, G., [1983, p.149-162, eng] 39-1965

—Hohe Tauern

- Wurtenkees in the Goidberg group (Hohe Tauern) a glacier of "anomalous" behavior. Böhm, R., [1982, p.270-272, ger] 39-1214

—Pasterze

- Follow-up measurements, Pasterze (Glockner Group) 1982. Wakonig, H., [1983, p.191-197, ger] 39-106

—Vernagtferner

- Core drilling of Vernagtferner, Austrian Alps. Oerter, H., et al. [1983, p.1-11, eng] 39-43
- Core drilling on Vernagtferner (Oetzal Alps, Austria) in 1979: tritium contents. Oerter, H., et al. [1983, p.13-22, eng] 39-44
- Core drilling on Vernagtferner (Oetzal Alps, Austria) in 1979: deuterium and oxygen-18 contents. Stüchler, W., et al. [1983, p.23-35, eng] 39-45
- Dating of ice cores from Vernagtferner (Austria) with fission products and lead-210. Gunten, H.R. von, et al. [1983, p.37-45, eng] 39-46
- Natural gamma logging of borehole I on Vernagtferner (Oetzal Alps, Austria). Drost, W., et al. [1983, p.47-52, eng] 39-47
- Structural investigations of snow and ice on core III from the drilling on Vernagtferner, Austria, in 1979. Good, W., [1983, p.53-64, eng] 39-48
- Results of tracer experiments with fluorescent dyes on Vernagtferner (Oetzal Alps, Austria) from 1974 to 1982. Behrens, H., et al. [1983, p.65-83, eng] 39-49
- Orthophotographic map of Vernagtferner, Austria. Rentsch, H., [1983, p.85-91, ger] 39-50
- Numerical modeling of the Vernagtferner and its fluctuations. Kruss, P.D., et al. [1983, p.93-106, eng] 39-51

Automobiles

See: Motor vehicles

Avalanche deposits

- Estimating avalanche damage to slopes and valley bottoms. Kozhaev, D.A., [1984, p.35-37, rus] 39-292
- Calculating the boundaries of avalanche ejection cones. Zolotarev, E.A., et al. [1984, p.37-42, rus] 39-293
- Particle simulation of snow avalanche motion. Perla, R., et al. [1984, p.191-202, eng] 39-396
- Scale of avalanche danger—status and further development. Marbouty, D., et al. [1984, p.13-22, fre] 39-498
- Snow-dust distribution during the triggering of firm-ice avalanches. Freifeld, V.I.A., et al. [1984, p.73-78, rus] 39-637
- Studies on formation and range of ice avalanches. Alcan, J.-C., [1984, 217p., ger] 39-992
- Effects of snow and ice avalanches on lakes. Huber, A., [1984, 12p., ger] 39-1243
- Vegetational indices of avalanche activities. Borcheninova, T.M., [1984, p.57-64, rus] 39-2252
- Estimation of avalanche runoff distances in New Zealand. Fitzharris, B.B., [1985, p.57-73, eng] 39-2694
- Avalanche tarns. Fitzharris, B.B., et al. [1984, p.308-312, eng] 39-3780

Avalanche engineering

- Protection from avalanche damage in Japan. Kurashima, O., [1984, p.129-138, jpn] 39-776
- Avalanche bibliography update: 1977-1983. [1984, p.197-300, eng] 39-1382
- Avalanche danger in river valleys of the Caucasus. Baulina, L.L., [1984, p.21-27, rus] 39-1701
- Artificial triggering of avalanches. Bolov, V.R., et al. [1984, p.27-29, rus] 39-1702
- Protecting the Transcaucasian highway from snow avalanches. Zalikhanov, M.Ch., et al. [1984, p.30-33, rus] 39-1703
- Snow deformation at its impact against different obstacles. Kariakin, A.T., et al. [1984, p.34-37, rus] 39-1704
- Dynamics of snow cover in the Zakki-Don River valley. Baulina, L.L., et al. [1984, p.37-41, rus] 39-1705
- Numerical simulation of an avalanche encountering a protection wall. Gonor, A.L., et al. [1984, p.905-909, eng] 39-2547
- More on avalanche-protection structures. Faïn, I.A.S., [1984, p.26-27, c] 39-2863
- See also: Snow fences

Avalanche erosion

- Estimating avalanche damage to slopes and valley bottoms. Kozhaev, D.A., [1984, p.35-37, rus] 39-292
- Protective structures in terrain stabilization. Schiechl, H.M., [1973, 244p., ger] 39-661
- Avalanche bibliography update: 1977-1983. [1984, p.197-300, eng] 39-1382
- Vegetational indices of avalanche activities. Borcheninova, T.M., [1984, p.57-64, rus] 39-2252
- Avalanche forecasting
- Spatial variations in snow stability inferred from artillery control. Judson, A., et al. [1983, p.508-511, eng] 39-212
- Synoptic-climatic analysis of situations in the El'brus Mountain area. Vetrov, N.A., et al. [1984, p.16-32, rus] 39-290
- Forecasting natural climatic changes in the El'brus Mountain area. Surova, N.A., [1984, p.98-110, rus] 39-299
- Avalanche hazard evaluation, accuracy and use. Norem, H., [1983, p.7-8, eng] 39-313
- Avalanche formation in the BAM zone. Lapteva, N.I., [1984, p.62-66, rus] 39-390

Scale of avalanche danger—status and further

- development. Marbouty, D., et al. [1984, p.13-22, fre] 39-498
- Snowfall, snow physics and avalanches, Craigieburn Range, New Zealand. Prowse, T.D., et al. [1984, p.107-118, eng] 39-609
- Estimating snow stability on slopes, allowing for the effect of blasting. Fomin, A.G., et al. [1984, p.38-45, rus] 39-634
- Distribution and regime of snow avalanches in western Tien Shan. Sezin, V.M., et al. [1984, p.45-59, rus] 39-635
- Estimation of mudflow and avalanche danger in the BAM zone. Perov, V.F., et al. [1984, p.59-68, rus] 39-900
- Criteria of snow avalanche formation. Bozhinskii, A.N., [1984, p.7-31, eng] 39-1373
- Prevention of avalanches with arrangements of snow supporting structures on mountain slopes. Bozhinskii, A.N., [1984, p.33-51, eng] 39-1374
- Formulas for calculating avalanche danger. Kolesnikov, E.I., [1983, p.149-162, rus] 39-1928
- Genetic classification and diagnostic features of snow avalanches. Dziuba, V.V., et al. [1984, p.97-104, rus] 39-2773

Avalanche formation

- Ecological approach to snow studies in mountains. Kolomyts, E.G., et al. [1984, p.3-15, rus] 39-289
- Synoptic-climatic analysis of situations in the El'brus Mountain area. Vetrov, N.A., et al. [1984, p.16-32, rus] 39-290
- Structural and density characteristics of slab avalanches. Bolov, V.R., [1984, p.42-44, rus] 39-294
- Vertical water vapor migration in snow. Dziuba, V.V., [1984, p.55-65, rus] 39-296
- Forthcoming natural climatic changes in the El'brus Mountain area. Surova, N.A., [1984, p.98-110, rus] 39-299
- Snow accumulation and avalanche conditions in western Caucasus. Volodicheva, N.A., et al. [1984, p.110-117, rus] 39-300
- Avalanche hazard evaluation, accuracy and use. Norem, H., [1983, p.7-8, eng] 39-313
- Life of the Earth. Global tectonics and dynamics of natural processes. Ushakov, S.A., ed. [1984, 152p., rus] 39-309
- Avalanche formation in the BAM zone. Lapteva, N.I., [1984, p.62-66, rus] 39-390
- Radar sounding of snow cover on avalanche slopes. Chizhov, A.N., [1984, p.93-96, rus] 39-463
- Scale of avalanche danger—status and further development. Marbouty, D., et al. [1984, p.13-22, fre] 39-498
- Distribution and regime of snow avalanches in western Tien Shan. Sezin, V.M., et al. [1984, p.45-59, rus] 39-635
- Role of sublimational processes in avalanche formation. Brukhanda, V.I., et al. [1984, p.59-73, rus] 39-636
- Protection from avalanche damage in Japan. Kurashima, O., [1984, p.129-138, jpn] 39-776
- Man and nature in the BAM zone (environmental protection and the use of natural resources). Vorob'ev, V.V., ed. [1984, 156p., rus] 39-901
- Estimation of mudflow and avalanche danger in the BAM zone. Perov, V.F., et al. [1984, p.59-68, rus] 39-903
- Mudflow and avalanche danger in mountainous and gullied areas of the Ukrainian SSR. Alzenberg, M.M., et al. [1984, p.88-95, rus] 39-911
- Snow avalanches in Iceland in the winters 1980-81 and 1981-82. Jónason, H.H., [1982, p.149-154, eng] 39-990
- Studies on formation and range of ice avalanches. Alcan, J.-C., [1984, 217p., ger] 39-992
- General hydrology (hydrology of dry land). Bogoslovskii, B.B., et al. [1984, 422p., rus] 39-1136
- Strength of a buried snow surface. Sommerfeld, R.A., [1984, 6p., eng] 39-1207
- Snow and avalanches in the Davos region. Föhn, P., et al. [1984, p.28-39, ger] 39-1350
- Snow and avalanche conditions in the Swiss Alps. Meister, R., et al. [1984, p.40-94, ger] 39-1351
- Criteria of snow avalanche formation. Bozhinskii, A.N., [1984, p.7-31, eng] 39-1373
- Avalanche bibliography update: 1977-1983. [1984, p.197-300, eng] 39-1382
- Avalanches and glacier at Hailoukou in the Mt. Gongga. Wang, Y., et al. [1984, p.37-44, chi] 39-1538
- Snow physics, avalanches, glacial mudflows. Zalikhanov, M.Ch., ed. [1984, 160p., rus] 39-1698
- Present state and prospects of studying snow avalanches in the USSR. Zalikhanov, M.Ch., et al. [1984, p.3-11, rus] 39-1699
- Artificial triggering of avalanches. Bolov, V.R., et al. [1984, p.27-29, rus] 39-1702
- Estimating the degree of avalanche danger. Blagoveshchenskii, V.P., [1983, p.138-148, rus] 39-1927
- Formulas for calculating avalanche danger. Kolesnikov, E.I., [1983, p.149-162, rus] 39-1928
- Meteorological factors in the formation of catastrophic avalanches. Vetrov, N.A., et al. [1983, p.165-176, rus] 39-1929

- Snow sense; a guide to evaluating avalanche hazard.** Fredston, J.A., et al, [1984, 45p, eng] 39-1970
- Hydrometeorological studies.** Chistiava, S.P., ed, [1984, 152, rus] 39-2249
- Vegetational indices of avalanche activities.** Borcheninova, T.M., [1984, p.57-64, rus] 39-2252
- Avalanche formation on the Talasskiy and Ugamskiy ranges.** Borcheninova, T.M., et al, [1984, p.122-128, rus] 39-2255
- Snow avalanche frequency and velocity for the Kananaskis Valley in the Canadian Rockies.** Johnson, E.A., et al, [1985, p.141-151, eng] 39-2557
- Critical situations in avalanche basins.** Di Sopra, L., [1985, p.37-45, ita] 39-2668
- Avalanche activity of the 1983-1984 season.** [1984, p.18, fre] 39-2670
- Re-design of the scale of avalanche danger.** Arthaud, J., [1984, p.19-34, fre] 39-2671
- Extreme rainfall and rapid snowmelt as causes of mass movements in high latitude mountains.** Rapp, A., [1985, p.36-56, eng] 39-2693
- Estimation of avalanche runout distances in New Zealand.** Fitzharris, B.B., [1985, p.57-73, eng] 39-2694
- Genetic classification and diagnostic features of snow avalanches.** Dziuba, V.V., et al, [1984, p.97-104, rus] 39-2773
- Regionalization scheme allowing for latitudinal and altitudinal avalanche-formation factors.** Dziuba, V.V., et al, [1984, p.104-109, rus] 39-2774
- Avalanche formation on eroded shore slopes.** Miagkov, S.M., et al, [1984, p.109-114, rus] 39-2775
- Snow profiles and avalanche activity in the Cairngorm Mountains, Scotland.** Ward, R.G.W., et al, [1985, p.18-27, eng] 39-3720
- Avalanche tams.** Fitzharris, B.B., et al, [1984, p.308-312, eng] 39-3780
- Snow stability index.** Conway, H., et al, [1984, p.321-327, eng] 39-3782
- Snow sliding and crack formation on mountain snow slopes.** Akitaya, E., et al, [1984, p.49-57, jpn] 39-4034
- Avalanche mechanics**
- Discontinuous turbidity currents and power snow avalanches.** Fukushima, Y., et al, [1984, p.839-842, eng] 39-109
- Experience with shear frames.** Perla, R., et al, [1983, p.485-491, eng] 39-208
- Measuring avalanche velocity.** Bagov, M.M., et al, [1984, p.32-34, rus] 39-291
- Estimating avalanche damage to slopes and valley bottoms.** Kozhakov, D.A., [1984, p.35-37, rus] 39-292
- Calculating the boundaries of avalanche ejection cones.** Zolotarev, E.A., et al, [1984, p.37-42, rus] 39-293
- Structural and density characteristics of slab avalanches.** Bolov, V.R., [1984, p.42-44, rus] 39-294
- Use of microwave FMCW radar in snow and avalanche research.** Gubler, H., et al, [1984, p.109-119, eng] 39-336
- Particle simulation of snow avalanche motion.** Perla, R., et al, [1984, p.191-202, eng] 39-396
- Snow-dust distribution during the triggering of firm-ice avalanches.** Freifeld, V.I.A., et al, [1984, p.73-78, rus] 39-637
- Snow and avalanche conditions in the Swiss Alps.** Meister, R., et al, [1984, p.40-94, ger] 39-1351
- Prevention of avalanches with arrangements of snow supporting structures on mountain slopes.** Bozhinskii, A.N., [1984, p.33-51, eng] 39-1374
- Sliding of a snow slab past a retaining structure.** Bozhinskii, A.N., [1984, p.53-62, eng] 39-1375
- Theoretical approaches to avalanche dynamics.** Eglit, M.E., [1984, p.63-116, eng] 39-1376
- Investigation of the solutions to snow avalanche movement equations.** Bakhvalov, N.S., et al, [1984, p.117-128, eng] 39-1377
- Mechanism of the interaction of a moving snow mass with a fixed obstacle.** Shurova, I.E., [1984, p.129-152, eng] 39-1378
- Nature of an air wave caused by a snow avalanche.** [Akimov, I.U.L., et al, [1984, p.153-157, eng] 39-1379
- Determining snow avalanche load on a structure by physical modeling.** [Akimov, I.U.L., et al, [1984, p.159-164, eng] 39-1380
- Soviet avalanche model—exegesis and reformulation.** Plam, M., et al, [1984, p.165-196, eng] 39-1381
- Avalanche bibliography update: 1977-1983.** [1984, p.197-300, eng] 39-1382
- Present state and prospects of studying snow avalanches in the USSR.** Zalikhonov, M.Ch., et al, [1984, p.3-11, rus] 39-1699
- Simplified nonstationary univariate hydraulic model for calculating snow avalanche movement.** Temukuev, Kh.M., et al, [1984, p.12-21, rus] 39-1700
- Estimating the degree of avalanche danger.** Blagoveshchenskii, V.P., [1983, p.138-148, rus] 39-1927
- Numerical simulation of an avalanche encountering a protection wall.** Gonor, A.L., et al, [1984, p.905-909, eng] 39-2547
- Influence of break-off line positions on avalanche ejection distances.** Bozhinskii, A.N., [1984, p.182-185, rus] 39-2787
- More on avalanche-protection structures.** Fain, I.A.S., [1984, p.26-27, c] 39-2863
- Avalanche modeling**
- Particle simulation of snow avalanche motion.** Perla, R., et al, [1984, p.191-202, eng] 39-396
- Simplified nonstationary univariate hydraulic model for calculating snow avalanche movement.** Temukuev, Kh.M., et al, [1984, p.12-21, rus] 39-1700
- Numerical simulation of an avalanche encountering a protection wall.** Gonor, A.L., et al, [1984, p.905-909, eng] 39-2547
- Estimation of avalanche runout distances in New Zealand.** Fitzharris, B.B., [1985, p.57-73, eng] 39-2694
- Avalanche tracks**
- Snow avalanche frequency and velocity for the Kananaskis Valley in the Canadian Rockies.** Johnson, E.A., et al, [1985, p.141-151, eng] 39-2557
- Avalanche triggering**
- Spatial variations in snow stability inferred from artillery control.** Judson, A., et al, [1983, p.508-511, eng] 39-212
- Measuring avalanche velocity.** Bagov, M.M., et al, [1984, p.32-34, rus] 39-291
- New electrical triggering device for explosives transported by cable.** Berard, A.E., et al, [1984, p.23-28, fre] 39-499
- Estimating snow stability on slopes, allowing for the effect of blasting.** Fomin, A.G., et al, [1984, p.38-45, rus] 39-634
- Distribution and regime of snow avalanches in western Tien Shan.** Sezin, V.M., et al, [1984, p.45-59, rus] 39-635
- Role of sublimational processes in avalanche formation.** Brukhanda, V.I., et al, [1984, p.59-73, rus] 39-636
- Snow-dust distribution during the triggering of firm-ice avalanches.** Freifeld, V.I.A., et al, [1984, p.73-78, rus] 39-637
- Snow physics, avalanches, glacial mudflows.** Zalikhonov, M.Ch., ed, [1984, 160p, rus] 39-1698
- Present state and prospects of studying snow avalanches in the USSR.** Zalikhonov, M.Ch., et al, [1984, p.3-11, rus] 39-1699
- Artificial triggering of avalanches.** Bolov, V.R., et al, [1984, p.27-29, rus] 39-1702
- Estimating the degree of avalanche danger.** Blagoveshchenskii, V.P., [1983, p.138-148, rus] 39-1927
- Formulas for calculating avalanche danger.** Kolesnikov, E.I., [1983, p.149-162, rus] 39-1928
- Meteorological factors in the formation of catastrophic avalanches.** Vetrov, N.A., et al, [1983, p.165-176, rus] 39-1929
- Snow sense; a guide to evaluating avalanche hazard.** Fredston, J.A., et al, [1984, 45p, eng] 39-1970
- Regionalization scheme allowing for latitudinal and altitudinal avalanche-formation factors.** Dziuba, V.V., et al, [1984, p.104-109, rus] 39-2774
- Influence of break-off line positions on avalanche ejection distances.** Bozhinskii, A.N., [1984, p.182-185, rus] 39-2787
- Avalanche wind**
- Discontinuous turbidity currents and power snow avalanches.** Fukushima, Y., et al, [1984, p.839-842, eng] 39-109
- Nature of an air wave caused by a snow avalanche.** [Akimov, I.U.L., et al, [1984, p.153-157, eng] 39-1379
- Avalanches**
- Snow physics, avalanches, mudflows.** Zalikhonov, M.Ch., ed, [1984, 156p, rus] 39-288
- Euromech Colloquium 172: Mechanics of Glaciers, Interlaken, 19-23 September, 1983.** Hutter, K., et al, [1984, p.77-86, eng] 39-333
- Upper forest lines in the Subarctic as indices of ecologic parameters of the biosphere.** Kruchkov, V.V., [1984, p.13-14, rus] 39-506
- Glaciology of mountain regions (snow cover, avalanches and glaciers).** Getker, M.I., ed, [1984, 136p, rus] 39-628
- Seismic stability of bridges.** Shestoporov, G.S., [1984, 143p, rus] 39-1238
- Snow and avalanches in the Swiss Alps, winter 1982/83.** [1984, 132p, ger] 39-1349
- Accidents and damage due to avalanches in the Swiss Alps.** Föhn, P., et al, [1984, p.95-127, ger] 39-1352
- Soviet avalanche research. Avalanche bibliography update: 1977-1983.** [1984, 300p, eng] 39-1372
- Hydroclimatic conditions of the Amur River region.** Naprasnikov, A.T., et al, [1983, 68p + 15 maps, rus] 39-1449
- Glaciers, snow cover and avalanches in the mountains of Kazakhstan.** Tokmagambetov, G.A., ed, [1983, 207p, rus] 39-1915
- Formulas for calculating glacier alimentation.** Severskii, I.V., [1983, p.89-98, rus] 39-1923
- Periglacial geomorphology.** Potter, N., Jr., [1984, p.226-232, eng] 39-2570
- Avalanche activity of the 1983-1984 season.** [1984, p.18, fre] 39-2670
- Problems of engineering glaciology.** Osokin, N.I., [1984, p.215-219, rus] 39-2794
- Forest disturbances due to fire, avalanches and mudflows on Mt. Rainier.** Hematrom, M.A., et al, [1982, p.32-51, eng] 39-2906
- Periglacial processes in southern East Siberia.** Laperdin, V.K., [1985, p.54-61, rus] 39-3013
- Udokan (natural resources and their development).** Narkelium, L.F., ed, [1985, 230p, rus] 39-3594
- See also: Snow slides**
- Backscattering**
- Radar propagation in brackish water with ice cover effect.** Klein, K., et al, [1984, 123p, eng] 39-532
- Snow mapping with active microwave sensors.** Mätzler, C., et al, [1984, p.409-422, eng] 39-1040
- Lidar measurements from the SNOW-ONE-B field experiment.** DeLateur, S.A., et al, [1983, p.239-247, eng] 39-1959
- Attenuation and backscatter for snow and sleet at 96, 140, and 225 GHz.** Nemerich, J., et al, [1984, p.41-52, eng] 39-2947
- Scattering properties of falling snow.** Mill, J.D., et al, [1984, p.83-87, eng] 39-2951
- Backscatter from snow at mm wavelengths.** Branscum, J., et al, [1984, p.221-231, eng] 39-2963
- Radar backscatter studies at SNOW-TWO.** Knox, J.E., [1984, p.379-387, eng] 39-2976
- Bacteria**
- Distribution, abundance, and diversity of McMurdo Sound ice bacteria in 1980.** Sullivan, C.W., et al, [1984, p.788-795, eng] 39-376
- Oil spill elimination by bacteria.** Potapova, M.I., et al, [1984, p.68-74, rus] 39-472
- Alpine tundra soil bacteria, Niwot Ridge, CO.** Mancinelli, R.L., [1984, p.185-192, eng] 39-718
- Microbe associations in forest biogeocenoses.** Gukasian, A.B., ed, [1983, 122p, rus] 39-956
- Peculiarities of *Lipomyces* distribution in the mountain-taiga soils of Tuva.** Abramenko, N.I., [1983, p.69-73, rus] 39-959
- Bacterial populations of the Beaufort Sea.** Atlas, R.M., et al, [1984, p.327-345, eng] 39-1883
- Halotolerant *Planococcus* from antarctic dry valley soil.** Miller, K.J., et al, [1984, p.205-209, eng] 39-2326
- Adaptability of some types of bacteria and microscopic fungi to low temperatures.** Alton, L.V., [1984, p.13-14, rus] 39-2640
- Adaptive peculiarities of soil microorganisms in the Arctic.** Parinkina, O.M., [1984, p.125-129, rus] 39-2654
- Sea ice microbial communities. 3. Seasonal abundance of microalgae and associated bacteria, McMurdo Sound, Antarctica.** McGrath Grossi, S., et al, [1984, p.231-242, eng] 39-3088
- Sea ice microbial communities. 4. The effect of light perturbation on microalgae at the ice-seawater interface in McMurdo Sound, Antarctica.** Palmisano, A.C., et al, [1985, p.37-45, eng] 39-3089
- Baffin Bay**
- Sea-ice budget studies of Baffin Bay using a numerical ice model.** Kelher, T.E., et al, [1984, p.75-80, eng] 39-176
- Summer distribution of icebergs in NW Baffin Bay and Lancaster Sound.** Pearson, D.E., [1984, p.253-260, eng] 39-3443
- Balloons**
- Aerostat icing problems.** Hanamoto, B., [1983, 29p, eng] 39-874
- Banks (waterways)**
- Reservoir bank erosion caused by ice.** Gatto, L.W., [1984, p.203-214, eng] 39-397
- River-ice jams and drives determined from botanical evidence.** Reynolds, D.M., [1976, 84p, eng] 39-741
- Bank erosion of U.S. northern rivers.** Gatto, L.W., [1982, 75p, eng] 39-1264
- Bank recession of Corps of Engineers reservoirs.** Gatto, L.W., et al, [1983, 103p, eng] 39-1371
- Bank erosion, vegetation and permafrost, Tanana River near Fairbanks.** Gatto, L.W., [1984, 53p, eng] 39-3030
- See also: Shores**
- Barents Sea**
- Surface sediment in the western Barents Sea.** Elverhøi, A., et al, [1983, 22p + map, eng] 39-227
- Sediments of the Barents shelf and the glacial history.** Solheim, A., et al, [1984, 26p, eng] 39-1225
- Seasonal ice variation in the Barents Sea obtained from the NIMBUS-7 SMMR observations.** Olafsson, I., et al, [1984, p.391-393, eng] 39-2544
- Offshore structures in the Barents Sea.** [1984, p.17-26, eng] 39-2874
- Model of phytoplankton in the marginal sea-ice zone of the Barents Sea.** Slagstad, D., [1983, p.35-48, eng] 39-3154
- Ice and hydrographic effects on Barents Sea phytoplankton.** Rey, F., et al, [1983, p.49-63, eng] 39-3155
- Influence of the glacial extent of the Barents and Kara seas on the air temperature in winter in the western part of the Arctic.** Ivanov, V.V., [1984, p.42-50, eng] 39-3649
- Petrogenic gas forms a pockmark field in the Barents Sea.** Solheim, A., et al, [1985, p.11-19, eng] 39-3885
- Barometric pressure**
- See: Atmospheric pressure**

- Barrier ice**
See: Ice shelves
- Basal sliding**
Basal sliding relations deduced from ice-sheet data. Morland, L.W., et al., [1984, p.131-139, eng] 39-1668
Glacier surge mechanism: 1982-1983 surge of Variegated Glacier, Alaska. Kamb, B., et al., [1985, p.469-479, eng] 39-2084
Waves on glaciers. Fowler, A.C., [1982, p.283-321, eng] 39-2235
A surging advance of Balt Bar glacier, Karakoram Mountains. Wang, W., et al., [1984, p.76-83, eng] 39-2301
Glacier flow model incorporating longitudinal deviatoric stresses. Shoemaker, E.M., et al., [1984, p.334-340, eng] 39-3784
Glacier sliding at subfreezing temperatures. Shreve, R.L., [1984, p.341-347, eng] 39-3785
- Bases**
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- Baykal Amur railroad**
Results of geological-geophysical studies of eastern Siberia in 1976-1980. Pinneker, E.V., ed., [1982, 136p., rus] 39-32
Seismic surveys in the BAM construction area. Solonenko, V.P., et al., [1982, p.68-76, rus] 39-34
Construction of railroads and associated buildings in permafrost areas. Smirnova, E.A., [1984, p.60-64, rus] 39-133
Avalanche formation in the BAM zone. Lapteva, N.I., [1984, p.62-66, rus] 39-390
Calculating ice cover strength on rivers. Zabelina, E.F., [1984, p.73-81, rus] 39-439
Hydrochemistry of rivers and lakes in the Buryat ASSR. Obzhin, V.N., et al., [1984, 151p., rus] 39-482
Role of sublimation processes in avalanche formation. Brukhanda, V.I., et al., [1984, p.59-73, rus] 39-636
Performance of buildings and structures on permafrost. Sobolev, P.V., [1984, p.23-24, rus] 39-676
Man and nature in the BAM zone (environmental protection and the use of natural resources). Vorob'ev, V.V., ed., [1984, 156p., rus] 39-901
Eastern section of the BAM. Makartsev, M.K., [1984, p.5-8, rus] 39-1161
Gradual perfecting of roadbed construction technology. Mikhalevich, V.S., et al., [1984, p.9-11, rus] 39-1162
Overcoming difficulties of construction in permafrost areas. Vasil'ev, V.A., et al., [1984, p.12-13, rus] 39-1164
Electrification of the western section of the BAM. Morits, E.I.A., [1984, p.15-16, rus] 39-1165
Construction of small and medium size bridges with all-sectional columnar supports. Blinkov, L.S., [1984, p.20-21, rus] 39-1168
Mechanization of tunneling. Kogan, V.Z., [1984, p.22-25, rus] 39-1169
Seismic stability of bridges. Shestoporov, G.S., [1984, 143p., rus] 39-1238
Design and construction equipment for BAM area problems. Shmakov, V.P., [1984, p.31-35, rus] 39-1257
Strengthening frozen bases by cooling. Gapeev, S.I., [1984, 152p., rus] 39-1322
Temperature effects on tunnel linings. Sil'vestrov, S., et al., [1984, p.10-11, rus] 39-1562
Local contrasts in geosystems. Kapitsa, A.P., ed., [1977, 206p., rus] 39-1897
Winter regime in valleys of the Amur River region. Surova, N.A., [1977, p.135-155, rus] 39-1902
Geographic differentiation of snow cover on the Badzhali Range. Martynova, A.M., [1977, p.156-170, rus] 39-1903
Geocryological conditions of the Baykal-Stanovoy Range part of the BAM zone. An, V.V., et al., [1984, 151p., rus] 39-1947
Technical servicing of construction equipment. Bardyshev, O.A., [1984, p.123-126, rus] 39-2076
Forecasting mudflows along the BAM line. Keremkulov, V.A., et al., [1984, p.52-59, rus] 39-2286
Geology and seismicity of the BAM zone (from Lake Baykal to the Tynda River). Hydrogeology. Pinneker, E.V., et al., [1984, 167p., rus] 39-2571
Using soil cement under severe climatic conditions. Kialitayn, V.A., [1984, p.5-6, rus] 39-2852
Large panel buildings designed for the North. Kruglova, I.A.B., [1985, p.32-33, rus] 39-2863
Organization of railroad construction in northern regions. Lutskii, S.I.A., et al., [1985, p.48-50, rus] 39-2868
Naleds in drill-holes for bridge piers. Tsar'kov, A.A., et al., [1980, p.114-123, rus] 39-2982
Subdividing the BAM zone vegetation according to geobotanical maps. Koboleva, N.V., et al., [1985, p.120-125, rus] 39-3015
Scientific basis for the design and construction of Siberian railroads. Stafeev, P.F., et al., [1985, p.7-9, rus] 39-3112
Breaking rocks by explosions. Kutuzov, B.N., ed., [1984, 248p., rus] 39-3393
- Borehole blasting of deeply freezing ground and permafrost. Basistov, M.A., et al., [1984, p.149-157, rus] 39-3400
Pit-charge blasting techniques used in BAM construction. Budanov, A.S., et al., [1984, p.157-162, rus] 39-3401
Reforestation problems in the BAM zone. Bobrinev, V.P., [1985, p.105-111, rus] 39-3598
Design and construction of couch-type abutments inside embankments. Pyshko, L.V., [1985, p.19-29, rus] 39-3821
Machines used in BAM construction. Chelombiev, V.N., et al., [1985, p.32-33, rus] 39-3822
Climate of Lake Baykal reflected in types of weather. Mizandrontseva, K.N., [1985, 159p., rus] 39-3983
- Beach erosion**
See: Shore erosion
- Beaches**
Estimating the amount of shore deposits removed by ice rafting. Archikov, E.I., et al., [1984, p.74-75, rus] 39-3061
- Bearing strength**
Sea ice mechanics: a general overview. Crossdale, K., [1984, p.8-16, eng] 39-572
Foundations built on loess. Anan'ev, V.P., [1984, p.3-8, rus] 39-582
Difficulties in construction on sagging soils. Gol'dshtein, M.N., [1984, p.9-10, rus] 39-583
Rational approach to ship strength problems. Varsta, P., [1984, p.9-30, eng] 39-1096
Ship strength analysis and strength criteria. Kujala, P., et al., [1984, p.123-147, eng] 39-1097
Special features of multihull vessels, design concepts of a Catamaran. Terje, P., [1984, p.149-156, eng] 39-1098
Level ice resistance—ideas stemming from the model and the full scale tests. Nyman, T., et al., [1984, p.183-200, eng] 39-1101
Bearing strength of fast ice and antarctic transport operations during the spring-summer period. [1979, p.15-30, eng] 39-1366
Model tests and in situ behaviour of prestressed anchors in snow and ice. Jessberger, H.L., et al., [1984, p.21-32, eng] 39-1789
Iceberg collision with semi-submersible drilling unit. Kitami, E., et al., [1984, p.45-53, eng] 39-1791
Summer impact loads from multiyear floes. Kreider, J., [1984, p.55-65, eng] 39-1792
Some aspects of antarctic engineering. Retamal, E., [1984, p.147-159, spa] 39-2193
Load bearing capacity of an ice cover subjected to concentrated loads. Fransson, L., [1985, p.170-176, eng] 39-2410
Structural engineering in Arctic regions. Jumpanen, P., [1984, p.35-48, eng] 39-2688
See also: Ice cover strength; Snow strength; Trafficability
- Beaufort Sea**
Ice floe impacts against arctic offshore platforms. Croteau, P., et al., [1984, p.169-175, eng] 39-84
Synoptic sea ice-atmosphere interactions. Carleton, A.M., [1984, p.7245-7258, eng] 39-260
Beaufort Sea Meteorological and Oceanographic Program (BEAUMOP), 1978. [1979, 23p. + append., eng] 39-388
Sea ice mechanics: a general overview. Crossdale, K., [1984, p.8-16, eng] 39-572
Design of the icebreaking supply ship *Robert LeMeur*. Churcher, A., et al., [1984, p.134-146, eng] 39-662
Sea ice topography of McClure Strait from submarine profiles. McLaren, A.S., et al., [1984, p.110-120, eng] 39-711
Beaufort Sea caisson retained island. Comyn, M., [1984, p.40-44, eng] 39-737
Beaufort Sea—new generation drilling system. Wearing, J.K., [1984, p.50-55, eng] 39-739
Concrete structure designed for Arctic. [1984, p.92-94, eng] 39-812
Concrete mix strengthens Arctic seabed. [1984, p.102-105, eng] 39-814
Ice conditions around artificial islands, 1976-1977. Favrat, D., [1982, 84p., eng] 39-897
Storm surges in the Beaufort and Chukchi Sea. Kowalik, Z., [1984, p.10,570-10,578, eng] 39-969
Transportation of Arctic energy resources. Westermeyer, W.E., [1984, p.105-133, eng] 39-1013
Arctic environmental quality. Brown, W.Y., [1984, p.178-198, eng] 39-1015
Creep deformation of slope sediments in the Canadian Beaufort Sea. Hill, P.R., et al., [1982, p.163-170, eng] 39-1043
Shore ice override and pileup features, Beaufort Sea. Kovacs, A., [1984, 28p. + map, eng] 39-1142
Ice management to support the Kulluk drilling vessel. Hnatuk, J., et al., [1984, p.40-46, eng] 39-1145
Ice in the Beaufort Sea. Minon, R., comp., [1984, 78p., eng] 39-1226
Gulf Canada's Beaufort Sea drilling system. [1982, p.20-23, eng] 39-1475
Pipelines in the Beaufort Sea. Timmermans, W.J., [1982, p.113-120, 125-126, eng] 39-1477
Offshore concrete structures in the Arctic: research needs. Carino, N.J., [1984, 56p., eng] 39-1716
- Microwave images for sea-ice classification. Eppler, D.T., et al., [1984, 54p., eng] 39-1720
Underwater pings of the Beaufort Sea—a review. Gendzwil, D.J., [1983, p.1-9, eng] 39-1747
Development of Beaufort Sea hydrocarbons. Todd, M.B., [1983, p.22-43, eng] 39-1748
Ice management for Beaufort Sea production harbours. Andersen, P.F., et al., [1984, p.303-314, eng] 39-1778
Summer impact loads from multiyear floes. Kreider, J., [1984, p.55-65, eng] 39-1792
Geological evidence for 60 meter deep pressure-ridge keels in the Arctic Ocean. Reimnitz, E., et al., [1984, p.189-206, eng] 39-1803
Barite from drilling fluids in the Beaufort Sea. Macdonald, R.W., [1984, p.29-49, eng] 39-1825
Kulluk extends the Arctic offshore drilling season. Frankovich, E.W., [1984, 17p. + figs., eng] 39-1846
Design, construction and deployment of a concrete island drilling system the Glomar Beaufort Sea I. Wetmore, S.B., et al., [1984, 39p., eng] 39-1848
Bottom founded mobile offshore drilling unit in Canada's Beaufort Sea. Myers, R., et al., [1984, 16p. + figs., eng] 39-1849
Superbeacon Syledis: an experience with large integrated positioning drilling systems in the Canadian Beaufort Sea. Green, J.M., [1984, 12p., eng] 39-1853
Deployment of Beaudril Molikpak at Tarsiut. Jefferies, M.G., et al., [1984, 32p. + figs., eng] 39-1854
Environmental and performance monitoring for offshore Arctic exploration structures. Dixit, B.C., et al., [1984, 10p. + figs., eng] 39-1856
Radar remote surveying for Arctic operations. Inkster, D.R., [1984, 18p., eng] 39-1858
Design and operation of a class four icebreaker fleet for the Beaufort Sea. Browne, R., [1984, 8p., eng] 39-1859
Moving towards production in the Beaufort Sea. Smith, B.S., et al., [1984, 13p. + figs., eng] 39-1863
Operation, testing and design of vessels in the Canadian Beaufort Sea. Churcher, A.C., et al., [1984, 34p., eng] 39-1865
Alaskan Beaufort Sea: ecosystems and environments. Barnes, P.W., ed., [1984, 466p., eng] 39-1869
Beaufort Sea: background, history, and perspective. Norton, D., et al., [1984, p.3-19, eng] 39-1870
Beaufort Sea ice motions. Pritchard, R.S., [1984, p.95-113, eng] 39-1872
Pack ice interaction with Stamukhi Shoal, Beaufort Sea, Alaska. Reimnitz, E., et al., [1984, p.159-183, eng] 39-1875
Ice gouging characteristics and processes. Barnes, P.W., et al., [1984, p.185-212, eng] 39-1876
Some probabilistic aspects of ice gouging on the Alaskan Shelf of the Beaufort Sea. Weeks, W.F., et al., [1984, p.213-236, eng] 39-1877
Determining distribution patterns of ice-bonded permafrost in the U.S. Beaufort Sea from seismic data. Neave, K.G., et al., [1984, p.237-258, eng] 39-1878
Acoustic velocities of nearshore materials in the Alaskan Beaufort and Chukchi Seas. Morack, J.L., et al., [1984, p.259-274, eng] 39-1879
Sediment characteristics of the lagoons of the Alaskan Beaufort Sea coast and evolution of Simpson Lagoon. Naidu, A.S., et al., [1984, p.275-292, eng] 39-1880
Phytoplankton abundance, chlorophyll *a*, and primary productivity in the western Beaufort Sea. Horner, R., [1984, p.295-310, eng] 39-1881
Annual carbon budget for an arctic kelp community. Dunton, K.H., [1984, p.311-325, eng] 39-1882
Bacterial populations of the Beaufort Sea. Atlas, R.M., et al., [1984, p.327-345, eng] 39-1883
Interaction of oil and arctic sea ice. Thomas, D.R., [1984, p.441-460, eng] 39-1884
Good results, advanced fleet bring Gulf to Arctic forefront. Cottrill, A., [1984, p.24-31, eng] 39-1939
Subsea permafrost distribution on the Alaskan shelf. Sellmann, P.V., et al., [1984, p.75-82, eng] 39-2131
Perspective on the distribution of subsea permafrost on the Canadian Beaufort Continental Shelf. Blasco, S.M., [1984, p.83-86, eng] 39-2132
Acquisition and processing of high resolution reflection seismic data from permafrost affected areas of the Canadian part of the Beaufort Sea. Poley, D.F., et al., [1985, p.491-498, eng] 39-2332
Algorithm to measure sea ice concentration with microwave radiometers. Swift, C.T., et al., [1985, p.1087-1099, eng] 39-2363
On some Arctic drilling units recently constructed in Japan. Kitagawa, H., et al., [1985, p.75-81, eng] 39-2399
Effective deepwater drilling/production strategy for the Beaufort Sea. Padron, D.V., et al., [1985, p.90-97, eng] 39-2400
Construction and quality assurance for super-CIDS. LaFrough, R.W., et al., [1985, p.98-104, eng] 39-2401
Design, installation, and performance of a berm supported exploration structure in the Beaufort Sea. Hewitt, K.J., et al., [1985, p.105-113, eng] 39-2402
Arctic double cone structure for 40-200 ft. (12-60m) water depths. Krahli, N.W., et al., [1985, p.114-119, eng] 39-2403
Stability monitoring programs in hazardous ice conditions. Berzina, W.E., et al., [1985, p.120-127, eng] 39-2404

- Structure, salinity and density of multi-year sea ice pressure ridges. Richter-Menge, J.A., et al, 1985, p.194-198, eng 39-2413
- Sea ice characteristics in the nearshore environment. Hoch, D.M., et al, 1983, p.2(1)-2(15), eng 39-2442
- Molokpaq development at Tarsuit P-45. Jefferies, M.G., et al, 1985, p.1-27, eng 39-3159
- Overview of artificial island design and construction in the Arctic. Wang, J.L., et al, 1985, p.28-38, eng 39-3160
- Geotechnical features of Fur Seal Island design. Luscher, U., et al, 1985, p.39-47, eng 39-3161
- Arctic island construction. Robertson, F.P., 1985, p.48-56, eng 39-3162
- Offshore arctic geotechnical engineering. Corwin, R.F., 1985, p.137-143, eng 39-3167
- Soil tests from moving ice in the Arctic offshore. Mahar, L.J., et al, 1985, p.169-177, eng 39-3169
- Spatial analysis of ice charts. Veneziano, D., et al, 1985, p.386-394, eng 39-3187
- Compressive strength of pressure ridge ice samples. Richter-Menge, J.A., et al, 1985, p.465-475, eng 39-3196
- SHADS: mobile Arctic drilling platform. Stedum, R.E., et al, 1985, p.498-506, eng 39-3199
- Technical considerations for Beaufort Sea pipelines. Weidler, J.B., et al, 1985, p.774-782, eng 39-3222
- Seabed strengthening in the Arctic by deep mixing. Quigley, D.W., et al, 1985, p.1093-1102, eng 39-3245
- Beaufort Sea deepwater production structure. Padron, D.V., et al, 1985, p.1148-1156, eng 39-3249
- Concrete space frame applied to an Arctic M.O.D.U. Richard, P., et al, 1985, p.1157-1165, eng 39-3250
- Beaufort highlights. 1985, p.100-122, eng 39-3416
- Landat data for sediment dispersal in the Beaufort Sea. Perrott, T., et al, 1984, p.283-291, eng 39-3444
- Rubble-treated drilling systems developments. Graham, B.W., et al, 1984, p.113-125, eng 39-3475
- Grounded ice pads as drilling bases in the Beaufort Sea. Kemp, T.S., 1984, p.175-186, eng 39-3480
- Distributional patterns of fishes in an Alaskan Arctic lagoon. Craig, P.C., et al, 1985, p.9-18, eng 39-3555
- Arctic operations. Goodfellow, R., 1985, p.271-282, eng 39-3674
- Ice gouge in relation to sea-ice zonation, Beaufort Sea. Barnes, P.W., et al, 1985, p.185-219, eng 39-3764
- Ice characteristics in the shear zone, Beaufort Sea. Hoare, R.D., et al, 1980, 45p. + appends, eng 39-4023
- Belt conveyors**
- Air-cushion belt conveyor equipped with a cargo-carrying unit. Aralkin, A.S., 1984, p.67-71, rus 39-799
- Bench marks**
- Length of benchmark stabilization in permafrost. Bogdanov, B.G., 1985, p.23-25, rus 39-2913
- Benthos**
- Macrobenthos of the lower Weddell Sea. Voss, J., 1984, p.106-115, ger 39-1607
- Bering Sea**
- An atmospherically driven sea-ice drift model for the Bering Sea. Pease, C.H., et al, 1984, p.111-114, eng 39-183
- Air-ice drag coefficients for first-year sea ice derived from aircraft measurements. Walter, B.A., et al, 1984, p.3550-3560, eng 39-257
- Marginal ice zone modeling: Bering Sea viewpoint. Niebauer, H.J., et al, 1984, p.55-62, eng 39-369
- Hydrocarbon gases in sediments, Navarin basin, Bering Sea. Golan-Bac, M., et al, 1984, 11p., eng 39-538
- Diatoms from the ice edge of the Bering Sea. Van Baalen, C., et al, 1983, p.1019-1023, eng 39-1644
- "Marine" ice cap in south Beringia. Grosval'd, M.G., et al, 1984, p.128-146, eng 39-1654
- Offshore drilling boom expanding in Alaska. 1985, p.64-66, eng 39-1726
- Passive microwave characteristics of the Bering Sea ice cover during MIZEX-West. Cavalieri, D.J., et al, 1984, p.379-384, eng 39-2542
- Surface based brightness temperatures of sea ice in the Bering and Greenland seas. Grenfell, T.C., 1984, p.385-389, eng 39-2543
- On the Bering Sea ice edge front. Muench, R.D., et al, 1985, p.3185-3197, eng 39-2735
- USSR/USA Bering Sea Experiment: Proceedings. Kondrat'ev, K.I.A., ed, 1982, 307p., eng 39-2737
- Microwave radiometric determination of atmospheric parameters during the Bering Sea Experiment. Wilheit, T.T., et al, 1982, p.9-35, eng 39-2739
- Synoptic ice dynamics and atmospheric circulation during the Bering Sea Experiment. Campbell, W.J., et al, 1982, p.158-179, eng 39-2740
- Study of the elastic properties of sea ice in the Bering Sea. Gavrilov, V.P., et al, 1982, p.180-185, eng 39-2741
- Physical and chemical properties of ice in the Bering Sea ice-edge zone. Morozov, P.T., 1982, p.186-190, eng 39-2742
- Variation of ice morphology of selected mesoscale test areas during the Bering Sea Experiment. Gloersen, P., et al, 1982, p.191-214, eng 39-2743
- Electrical properties of ice in the ice-edge zone of the Bering Sea at 10 GHz frequency. Bogorodskii, V.V., et al, 1982, p.215-230, eng 39-2744
- Determination of underlying surface radiative temperature in the northern Bering Sea. Vinogradov, V.V., et al, 1982, p.267-277, eng 39-2746
- Ice thickness distribution as inferred from infrared and microwave remote sensing during the Bering Sea Experiment. Gloersen, P., et al, 1982, p.278-288, eng 39-2747
- Deep water Bering Sea development concepts. Gunzelman, S.X., 1985, p.971-979, eng 39-3236
- Bering Sea crude oil transportation systems. Padron, D.V., et al, 1985, p.989-997, eng 39-3237
- Single point mooring for the Bering Sea. Loire, R., et al, 1985, p.998-1008, eng 39-3238
- North Sea technology transfer to the Bering Sea. Madsen, J., et al, 1985, p.1009-1017, eng 39-3239
- Bering Strait**
- Bering Strait sea ice and the Fairway Rock icefoot. Kovacs, A., et al, 1982, 40p., eng 39-1273
- Bibliographies**
- Bibliography on ice and snow for 1971-84, Trent University, 1984, 13p., eng 39-255
- Ice in the Beaufort Sea. Minon, R., comp, 1984, 78p., eng 39-1226
- Soviet avalanche research. Avalanche bibliography update: 1977-1983. 1984, 300p., eng 39-1372
- Avalanche bibliography update: 1977-1983. 1984, p.197-300, eng 39-1382
- Computer program for cold weather construction bibliography. Craig, J.L., 1984, 238p., eng 39-1423
- Drilling and casing-off wells in permafrost regions. Bibliography. Panina, T.I., 1983, 45p., rus 39-1441
- Pine forests of northern Europe. Ziabchenko, S.S., 1984, 247p., rus 39-1443
- Bibliography on pipeline insulation and corrosion. 1983, 81p., eng 39-1515
- Bibliography of glaciology and cryopedology in China, 1820-1982. 1984, 208p., chj 39-1616
- Terricolous lichens of southern tundras in Taymyr. Piln, T.Kh., 1984, p.134-172, rus 39-2371
- Was there a Panarctic ice sheet during the Pleistocene. Nesic, K.N., 1984, p.300-307, eng 39-2549
- On the scientific method of J. Ross Mackay. Mathews, W.H., 1985, p.1-6, eng 39-2691
- Cumulative index to permafrost conference proceedings, 1958-1983. Heginbottom, J.A., et al, 1985, 215p., eng 39-2701
- Conferences 1961 to 1981; bibliography. 1984, 165p., eng 39-2840
- Historical trends in vegetation zonality of the Central Siberian Plateau. Vodop'anova, N.S., 1984, p.93-106, rus 39-3008
- Review of studies of flora in Yakutia. Savkina, Z.P., et al, 1984, p.12-29, rus 39-3011
- Marginal ice zone bibliography. Brennan, A., comp, 1985, p.29-187, eng 39-3639
- User's guide for the BBSORT program for the IBM-PC personal computer. Kyriakakis, T., et al, 1985, 61p., eng 39-4055
- Bioenvironments**
- See: Ecology; Ecosystems
- Biogeography**
- Stability of the northern Canadian tree limit. Elliott-Fisk, D.L., 1983, p.560-576, eng 39-865
- Biology**
- See: Cryobiology; Marine biology; Microbiology
- Biomass**
- Increasing economic efficiency of the intensification of fodder plant production in northern Europe. Podoplelov, V.P., ed, 1983, 98p., rus 39-26
- Effectiveness of grassland establishment in tundra. Kotelina, N.S., et al, 1983, p.47-57, rus 39-27
- Microbiology of soils disturbed by coal mining. Andronova, M.F., 1984, p.82-86, rus 39-40
- Structure of lichen biomass in tundras of the Northeast. Polezhaev, A.N., 1981, p.109-110, rus 39-79
- Distribution, abundance, and diversity of McMurdo Sound ice bacteria in 1980. Sullivan, C.W., et al, 1984, p.788-795, eng 39-376
- Plant growth in the high Arctic. Maessen, O., et al, 1983, p.1680-1691, eng 39-453
- All-Union conference "Vegetational cover of Subarctic highlands and problems of Arctic-Alpine floristic bonds", Khibiny, July 10-15, 1984. Summaries. 1984, 113p., rus 39-503
- Spatial distribution of phytomass in different types of Alpine tundras in the northern Ural Mountains. Bulatova, I.K., 1984, p.5-6, rus 39-504
- Rational utilization of vegetational cover of the Far North. Filippova, L.N., 1984, p.102-103, rus 39-526
- Seasonal variations in high-altitude vegetation of Tien Shan. Lynov, I.U.S., 1984, p.86-96, rus 39-672
- Microflora of litter in northern forests. Makarova, A.P., et al, 1984, p.94-97, rus 39-796
- Tundra plant communities in Yamal Peninsula. Vil'chek, G.E., 1984, p.67-71, rus 39-797
- Structure, functional organization and dynamics of swamp ecosystems in Karelia. Elina, G.A., et al, 1984, 128p., rus 39-1175
- Plant successions in drained northern forests. Fediukov, V.I., 1984, p.341-344, rus 39-1302
- Aerial, satellite and cartographic methods of studying environments. Summaries of reports presented at the 4th section of the 7th meeting of the Geographic Society of the USSR. Kondrat'ev, K.I.A., ed, 1980, 126p., rus 39-1327
- Biogenic accumulation of nitrogen in plants of tundra zone (exemplified by the ecosystems of Bol'shezemel'skaya tundra). Grunina, L.K., et al, 1984, 32p., rus 39-1396
- Ecological bases of lake bioproductivity in different natural zones. Kitaev, S.P., 1984, 207p., rus 39-1436
- Phytoplankton abundance, chlorophyll *a*, and primary productivity in the western Beaufort Sea. Horner, R., 1984, p.295-310, eng 39-1881
- Annual carbon budget for an arctic kelp community. Dunton, K.H., 1984, p.311-325, eng 39-1882
- Ecology of tundra ponds of the Arctic Coastal Plain. Hobbie, J.E., 1984, 52p., eng 39-1895
- Agrophytocenotic aspects of grass sowing in permafrost areas. Denisov, G.V., 1984, 250p., rus 39-1950
- Life of plants under extreme high-mountain conditions (exemplified by Central Caucasus). Nakhutariashvili, G.Sh., et al, 1984, 123p., rus 39-2040
- Forest biomass of the Putorana Plateau. Deeva, N.M., 1985, p.54-58, rus 39-2457
- Dwarf-pine forests in the Magadan region. Panchenko, T.M., 1985, p.67-76, rus 39-2458
- Vegetation of western Siberia and its mapping. Belov, A.V., ed, 1984, 120p., rus 39-2573
- Economic development of the lower Irtysh River valley. Druzhinina, N.P., et al, 1984, p.50-76, rus 39-2577
- Symposium on the use of mathematical modeling in ecological investigations of forests and swamps, Aug. 21-23, 1984. Summaries. 1984, 136p., rus 39-2580
- Qualitative model of long-range dynamics of paludal forests. Glebov, F.Z., et al, 1984, p.73-77, rus 39-2586
- Primary productivity of Taymyr tundras. Pospelova, E.B., et al, 1985, p.188-198, rus 39-2985
- Biomass of high-altitude plants in Altai-Sayany mountains. Sedel'nikov, V.P., 1985, p.87-91, rus 39-3014
- Model of phytoplankton in the marginal sea-ice zone of the Barents Sea. Slagstad, D., 1983, p.35-48, eng 39-3154
- Ice and hydrographic effects on Barents Sea phytoplankton. Rey, F., et al, 1983, p.49-63, eng 39-3155
- Impact of climatic variation on boreal forest biomass production. Powell, J.M., 1981, p.189-194, eng 39-3281
- Biota**
- See: Ecology
- Bitumens**
- Physics of asphalt pavements at low temperatures. Lempe, U., et al, 1985, p.15-19, ger 39-3055
- Asphalt revetments for slope protection in the Arctic. Vallerga, B.A., et al, 1985, p.732-744, eng 39-3218
- Cold-mix asphalt technology temperatures below 10°C. Jarrett, P.M., et al, 1984, 3 refs., eng 39-4026
- Bituminous concretes**
- Winter maintenance of roads in eastern Siberia. Maevskii, A.A., 1984, p.53-58, rus 39-418
- Effect of natural brine deicing agents on pavements. Eck, R.W., et al, 1983, p.24-31, eng 39-1646
- Frost resistance of bituminous concrete road pavements. Ponomareva, S.G., 1984, p.116-118, rus 39-1979
- Comparison of three compactors used in pothole repair. Snelling, M.A., et al, 1984, 14p., eng 39-2099
- Asphalt pavements modified with rubber particles. Esch, D., 1984, 35p. + append., eng 39-2838
- Blasting**
- Blast waves in frozen soils. Liakhov, G.M., et al, 1984, p.811-815, eng 39-153
- Engineering and geocryological investigations. Derugin, A.G., ed, 1994, 76p., rus 39-407
- Percussion-shattering of perennially frozen rocks. Fedulov, A.I., et al, 1983, p.125-131, rus 39-422
- Drilling and blasting operation from ice. Tavrizov, V.M., 1984, p.597-604, rus 39-591
- Estimating snow stability on slopes, allowing for the effect of blasting. Fomin, A.G., et al, 1984, p.38-45, rus 39-634
- Drilling equipment designed for permafrost. Shukshin, V.A., 1984, p.30-31, rus 39-677
- Seismic effect of detonating explosives in permafrost. Glizman, L.M., et al, 1984, p.40-45, rus 39-961
- Improving blasthole drilling techniques. Fazylov, R.G., et al, 1984, p.11-14, rus 39-1163
- Design and construction equipment for BAM area problems. Shmakov, V.P., 1984, p.31-35, rus 39-1257
- Blasting of earth in the construction of main pipelines and underground storages. Globa, V.M., 1984, 239p., rus 39-1356
- Comparing technological parameters of excavations and charges when blasting thawed and seasonally frozen ground. Poplavskii, V.A., et al, 1984, p.78-82, rus 39-1444
- Improving the efficiency of mining in the north. Izakson, V.I.U., ed, 1983, 85p., rus 39-1885

Blasting (cont.)

- Dynamic loads on supports under permafrost conditions. Vikulov, M.A., et al. [1983, p.21-26, rus] 39-1888
- Wetting-and-blasting method of loess compaction. Takhirov, I.G., et al. [1985, p.63-66, rus] 39-1997
- Blasting techniques used in construction on water-saturated ground. Smirnov, A.G., et al. [1984, 216p., rus] 39-2069
- Blasting technique for building embankments in swamps. Smirnov, A.G., et al. [1984, p.12-13, rus] 39-2108
- Seam-blasting of frozen ground. Balbachan, I.P., et al. [1985, p.12-14, rus] 39-2734
- Mass-blasting technique in freezing weather. Makhov, A.P., et al. [1984, p.27-28, rus] 39-2751
- Breaking rocks by explosions. Kutuzov, B.N., ed. [1984, 248p., rus] 39-3393
- Explosiveness of frozen rocks. Drogovetko, I.Z., [1984, p.118-125, rus] 39-3394
- Blasting frozen rocks on construction sites. Drogovetko, I.Z., et al. [1984, p.125-130, rus] 39-3395
- Factors affecting the length of detonation impulse in frozen ground. Silin, V.S., et al. [1984, p.130-136, rus] 39-3396
- Propelling-charge effect in frozen and thawed ground. Frash, G.B., et al. [1984, p.140-143, rus] 39-3398
- Blasting seasonally frozen clayey soils. Frash, G.B., [1984, p.144-148, rus] 39-3399
- Borehole blasting of deeply freezing ground and permafrost. Basistov, M.A., et al. [1984, p.149-157, rus] 39-3400
- Pit-charge blasting techniques used in BAM construction. Budanov, A.S., et al. [1984, p.157-162, rus] 39-3401
- See also: Explosion effects; Ice blasting
- Blowing snow**
- Measuring particle size and snowfall intensity in drifting snow. Schmidt, R.A., [1984, p.121-129, eng] 39-337
- Lower atmosphere of the polar regions. Radok, U., [1981, p.703-724, eng] 39-1533
- Canals under blizzard conditions. Smirnov, E.A., et al. [1984, p.25-29, eng] 39-1639
- Formulas for calculating glacier alimination. Severkil, I.V., [1983, p.89-98, rus] 39-1923
- Helicopter-lifted snow model for EOSAEL. Buribaw, E., et al. [1984, p.311-322, eng] 39-2970
- Photography of transport rate effects in blowing sand and snow. Iversen, J.D., [1982, p.509-513, eng] 39-3265
- Meteorological data at Mizuho Station in 1983. Narita, H., et al. [1985, 96p., eng] 39-3273
- Mass flux and visibility observed by snow particle counter. Ishimoto, K., et al. [1984, p.104-112, eng] 39-3452
- Boats**
- See: Ships
- Bogs**
- See: Swamps
- Bolivia**
- Andes
- Ancient ice islands in salt lakes of the Central Andes. Hurlbert, S.H., et al. [1984, p.299-302, eng] 39-1910
- Booms (equipment)**
- See: Ice booms
- Borehole instruments**
- Ice core drilling on the Filchner and Ronne Ice Shelves. Jessberger, H.L., et al. [1985, p.32-41, ger] 39-2803
- Boreholes**
- Core drilling of Vernagtferner, Austrian Alps. Oerter, H., et al. [1983, p.1-11, eng] 39-43
- Natural gamma logging of borehole I on Vernagtferner (Oetztal Alps, Austria). Drost, W., et al. [1983, p.47-52, eng] 39-47
- Ice flow leading to the deep core hole at Dye 3, Greenland. Whillans, I.M., et al. [1984, p.185-190, eng] 39-196
- Calculating borehole geometry. Jezek, K.C., et al. [1984, 18p., eng] 39-475
- Drilling equipment designed for permafrost. Shukshin, V.A., [1984, p.30-31, rus] 39-677
- Computer-aided pressuremeter tests. Law, K.T., [1984, p.99-103, eng] 39-817
- Thermal drilling of boreholes for pile supports in frozen ground. Sherstiuk, B.F., et al. [1984, p.31-34, rus] 39-1034
- Improving blasthole drilling techniques. Fazylov, R.G., et al. [1984, p.11-14, rus] 39-1163
- Design and construction equipment for BAM area problems. Shmakov, V.P., [1984, p.31-35, rus] 39-1257
- Blasting of earth in the construction of main pipelines and underground storages. Globa, V.M., [1984, 239p., rus] 39-1356
- Pile foundations in paludal taiga. Pylav, E.L., et al. [1984, p.57-58, rus] 39-1641
- Temperature measurements in permafrost. Osterkamp, T.E., [1984, 87p., eng] 39-1721
- Borehole geometry on the Greenland and Antarctic ice sheets. Jezek, K.C., [1985, p.242-251, eng] 39-1749
- Model tests and in situ behaviour of prestressed anchors in snow and ice. Jessberger, H.L., et al. [1984, p.21-32, eng] 39-1789
- Parametric study of long-term borehole dilatometer tests in ice. Ladanyi, B., et al. [1984, p.393-404, eng] 39-1820

- Radial stresses acting on well walls at different depths during freezing of fluids in caverns. Antipov, V.I., et al. [1984, p.27-28, rus] 39-1836
- Effects of variations in the latent heat of ice fusion in soils on interaction of boreholes with permafrost. Anisimov, M.A., et al. [1984, p.200-203, eng] 39-2156
- Mass-blasting technique in freezing weather. Makhov, A.P., et al. [1984, p.27-28, rus] 39-2751
- Movement of a temperature front around a well. Sedov, V.T., [1984, p.19-21, rus] 39-3303
- Breaking rocks by explosions. Kutuzov, B.N., ed. [1984, 248p., rus] 39-3393
- Battery powered, instrumented deep ice core drill for liquid filled holes. Gundestrup, N.S., et al. [1985, p.19-22, eng] 39-3562
- Bore-hole survey at Dye 3, south Greenland. Gundestrup, N.S., et al. [1984, p.282-288, eng] 39-3776
- Boring**
- See: Drilling
- Botany**
- See: Geobotanical interpretation; Paleobotany; Plants (botany); Vegetation
- Bottom friction**
- See: Basal sliding
- Bottom ice**
- Modeling freezeup of slush-bearing rivers. Abramenskoy, N.M., [1984, p.30-49, rus] 39-436
- Anchor ice effects on water levels in Lake St. Louis, St. Lawrence River at Montreal. Parkinson, F.E., [1984, p.345-370, eng] 39-1471
- Anchor ice in Lachine Rapids, results of observations and analysis. Marcotte, N., [1984, p.151-160, eng] 39-1764
- Frazil and anchor ice. Osterkamp, T.E., et al. [1985, 17p., eng] 39-2712
- Bottom sediment**
- Reconstructing Pleistocene climatic change from the oxygen isotope composition of sediments: a review. Covey, C., [1984, p.43-46, eng] 39-170
- Surface sediment in the western Barents Sea. Elverhøi, A., et al. [1983, 22p. + map, eng] 39-227
- Low-temperature effects on flow in sand-bed streams. Hong, R., et al. [1983, p.128-138, chi] 39-275
- Sediments of an ice-contact proglacial lake. Duck, R.W., et al. [1984, p.89-93, eng] 39-476
- Geotechnical investigations in the southern Beaufort Sea—Spring 1984. Kurfurst, P.J., comp. [1984, 96p., eng] 39-479
- Hydrocarbon gases in sediments, Navarin basin, Bering Sea. Golan-Bac, M., et al. [1984, 11p., eng] 39-538
- Foundations for offshore structures. Bea, R.G., [1984, p.22-30, eng] 39-574
- Drilling and blasting operation from ice. Tavrizov, V.M., [1984, p.597-604, rus] 39-591
- Subsea cryolithozone. Zhigarev, L.A., [1984, p.3-13, rus] 39-833
- Lake bottom heave in permafrost, Richards I., N.W.T. Mackay, J.R., [1984, p.173-177, eng] 39-882
- Sediments of the Barents shelf and the glacial history. Solheim, A., et al. [1984, 26p., eng] 39-1225
- XSP cone penetrometer: a performance evaluation. Beard, R.M., et al. [1984, 58p., eng] 39-1355
- Shore and lake bottom formation in permafrost areas. Shirokov, V.M., [1984, p.10-26, rus] 39-1417
- Characteristics of diatoms from bottom sediments of the Terkhyn-Tsagan-Nur (People's Republic of Mongolia). Dorofeich, N.I., [1984, p.1243-1249, rus] 39-1566
- Marine geology and bottom profiling of the Weddell Sea. Haase, G., [1984, p.129-136, eng] 39-1609
- Subsea permafrost in Harrison Bay, Alaska. Neave, K.G., et al. [1982, 62p., eng] 39-1727
- Alaskan Beaufort Sea: ecosystems and environments. Barnes, P.W., ed. [1984, 466p., eng] 39-1869
- Observations and analyses of sediment-laden sea ice. Osterkamp, T.E., et al. [1984, p.73-93, eng] 39-1871
- Sediment characteristics of the lagoons of the Alaskan Beaufort Sea coast and evolution of Simpson Lagoon. Naidu, A.S., et al. [1984, p.275-292, eng] 39-1880
- Bacterial populations of the Beaufort Sea. Atlas, R.M., et al. [1984, p.327-345, eng] 39-1883
- Technology of studying sea bottom. Lukoshkov, A.V., [1984, 262p., rus] 39-2041
- Perspective on the distribution of subsea permafrost on the Canadian Beaufort Continental Shelf. Blasco, S.M., [1984, p.83-86, eng] 39-2132
- Cryogeothermal problems in the study of the Arctic Ocean. Neizvestnov, I.A.V., et al. [1984, p.273-277, eng] 39-2171
- Landsat imagery for sediments in Prudhoe Bay, Alaska. Stringer, W.J., et al. [1984, p.16-21, eng] 39-2871
- Hydrocarbons in sediments of the Alaskan Outer Continental Shelf. Venkatesan, M.T., et al. [1982, p.2135-2149, eng] 39-2902
- Detection of gas hydrate horizons in World Ocean. Ginsburg, G.D., et al. [1984, p.141-158, rus] 39-3058
- Antarctic Peninsula and Ross Sea sediment descriptions. Kaharuddin, F.A., et al. [1984, 242p., eng] 39-3637
- Geotechnical properties of samples from borings, Chukchi Sea, Alaska. Winters, W.J., et al. [1984, 55p., eng] 39-3688

- Lake Erie ice scour investigation. Comfort, G., et al. [1985, p.55-99, eng] 39-3757
- Bottom topography**
- Proceedings of the Fourth Symposium on Antarctic Geosciences, 1983. Nagata, T., ed. [1984, 240p., eng] 39-1085
- Seismic profiles of Amundsen and Lutzow-Holm Bays. 1982. Moriaki, K., [1984, p.61-65, eng] 39-1089
- Geological and geophysical surveys in the Ross Sea. Sato, S., et al. [1984, p.66-92, eng] 39-1090
- Geological evidence for 60 meter deep pressure-ridge keels in the Arctic Ocean. Reimnitz, E., et al. [1984, p.189-206, eng] 39-1803
- Iceberg drift defines antarctic ocean circulation. Tchernia, P., et al. [1984, p.263-269, eng] 39-1822
- Pack ice interaction with Stamukhi Shoal, Beaufort Sea, Alaska. Reimnitz, E., et al. [1984, p.159-183, eng] 39-1875
- Ice gouging characteristics and processes. Barnes, P.W., et al. [1984, p.185-212, eng] 39-1876
- Some probabilistic aspects of ice gouging on the Alaskan Shelf of the Beaufort Sea. Weeks, W.F., et al. [1984, p.213-236, eng] 39-1877
- Strudel scour: an Arctic seafloor scouring process. Johnson, T.L., [1985, p.745-753, eng] 39-3219
- Engineering in the Beaufort, Chukchi and Bering Seas. Dobson, B.M., et al. [1985, p.812-819, eng] 39-3226
- Iceberg scours: what do they really look like. Woodworth-Lynas, C.M.T., et al. [1985, p.10-14, eng] 39-3553
- Workshop on ice scouring, 15-19 February 1982 [1985, 251p. + append., eng] 39-3752
- Lake Erie cable crossing ice scour study. Grass, J.D., [1985, p.1-10, eng] 39-3753
- Predictions of extreme keel depths from submarine sonar data. Wadhams, P., [1985, p.32-47, eng] 39-3755
- Deep water scours in Davis Strait. Guigne, J.Y., et al. [1985, p.155-167, eng] 39-3762
- Correlation between an ice ridge and sea bed geologic boundary. Barnes, P.W., et al. [1985, p.169-184, eng] 39-3763
- Ice gouge in relation to sea-ice zonation, Beaufort Sea. Barnes, P.W., et al. [1985, p.185-219, eng] 39-3764
- Ice scoring on NE Grand Banks, Newfoundland. Amos, C.L., et al. [1985, p.220-221, eng] 39-3765
- Petrogenic gas forms a pockmark field in the Barents Sea. Solheim, A., et al. [1985, p.11-19, eng] 39-3885
- See also: Ocean bottom
- Boulders**
- See: Rocks
- Bound water**
- See: Hygroscopic water
- Boundary layer**
- Boundary-layer model of pattern formation in solidification. Ben-Jacob, E., et al. [1984, p.330-340, eng] 39-782
- Atmospheric boundary layer changes at Filchner Station. Schaller, E., [1985, p.72-77, ger] 39-2809
- Case study of a mesoscale disturbance at Filchner Station. Halbguth, G., [1985, p.96-103, ger] 39-2812
- Photography of transport rate effects in blowing sand and snow. Iversen, J.D., [1982, p.509-513, eng] 39-3265
- Use of the enthalpy method in the solution of Stefan problems. Voller, V.R., et al. [1983, p.91-101, eng] 39-3962
- Solution of a solidification problem. Bell, G.E., [1983, p.124-133, eng] 39-3964
- Heat transfer and boundary-layer laws in turbulent flows. Nitsche, W., et al. [1983, p.707-717, eng] 39-3968
- New type of boundary condition in convective heat transfer problems. Dorfman, A.S., [1985, p.1197-1203, eng] 39-4020
- See also: Interfaces; Turbulent boundary layer
- Boundary value problems**
- Modeling two-dimensional freezing. Albert, M.R., [1984, 45p., eng] 39-383
- Approximate solution of the Stefan problem on a segment. Gliko, A.O., et al. [1983, p.1450-1455, eng] 39-1084
- Time periodic solution of a thermal diffusion Stefan Problem. Petrova, A.G., [1984, p.82-98, rus] 39-1120
- Heat and mass transfer problems. Carey, G.F., et al. [1983, p.337-346, eng] 39-1277
- Viscoelastic buckling of beams and plates on elastic foundation. Sjolind, S.-G., [1984, p.63-72, eng] 39-1756
- Breakup**
- See: Ice breakup
- Bricks**
- Utilization of mineral wastes in the production of construction materials in the Leningrad region. Chistiakov, B.Z., et al. [1984, 151p., rus] 39-2072
- Frost resistance problem of ceramic bricks and its solution. Sadunias, A.S., et al. [1984, p.25-26, rus] 39-3734
- Bridges**
- Seismic studies on bridge-construction sites in permafrost areas. Tikhonov, V.V., et al. [1984, p.34-37, rus] 39-414
- Bridge construction on icebound river. Rasskazov, I.D., et al. [1984, p.10-11, rus] 39-674

- Overcoming difficulties of construction in permafrost areas. Vasil'ev, V.A., et al, (1984, p.12-13, rus) 39-1164
- Power supply to the eastern section of the BAM. Buza, I.K., et al, (1984, p.16-17, rus) 39-1166
- Organization of bridge construction in the western section of the BAM. Rasakozov, I.D., et al, (1984, p.17-19, rus) 39-1167
- Construction of small and medium size bridges with all-sectional columnar supports. Blinkov, L.S., (1984, p.20-21, rus) 39-1168
- Seismic stability of bridges. Shestoporov, G.S., (1984, 143p., rus) 39-1238
- Bridge construction on permafrost. Blinkov, L.S., (1984, p.11-12, rus) 39-1255
- Engineering provisions for military action. Kolibernov, E.S., et al, (1984, 287p., rus) 39-1339
- Baykal Amur railroad: the first decade. Aganbegian, A.G., ed, (1984, 208p., rus) 39-1408
- Baykal Amur railroad at the 1st stage of construction. Mokhorov, K.V., (1984, p.29-38, rus) 39-1409
- Tunnels of the BAM. Bessolov, V.A., et al, (1984, p.38-44, rus) 39-1410
- Blending the old with the new to fight winter storms. Heugle, T.J., Jr., (1982, p.48-49, eng) 39-1663
- Frost resistant reinforced concrete for bridges. Borisov, V.V., et al, (1985, p.24-25, rus) 39-2079
- Manual for Australian antarctic utilities, bridges, and supports. (1982, var. p., eng) 39-2230
- Rules for the development of united regional appraisals for structures and construction work. (1985, 156p., rus) 39-2516
- Railroad-bridge floors for severe climatic conditions. Andreev, G.G., et al, (1982, p.69-80, rus) 39-2521
- Waterproofing mix in concrete for protecting bridges against corrosion. (1982, p.12, eng) 39-2727
- Site surveying for smaller structures in permafrost areas. Druzhinin, M.K., (1985, p.18-19, rus) 39-2864
- Naleds in drill-holes for bridge piers. Tsar'kov, A.A., et al, (1980, p.114-123, rus) 39-2982
- Bridge construction in petroleum provinces of western Siberia. Koter, V.A., (1985, p.12-14, rus) 39-3116
- Bridges on rivers crossing northern swamps. Bialik, B.F., et al, (1985, p.14-17, rus) 39-3117
- Using corrugated iron pipes instead of small bridges in tundra. Nikiforov, A.S., et al, (1985, p.17, rus) 39-3118
- Length-thermal stress relations for composite bridges. Emanuel, J.H., et al, (1985, p.788-804, eng) 39-3315
- Aerial engineering surveys for road construction. Fedorov, V.I., et al, (1984, 240p., rus) 39-3325
- Design and construction of couch-type abutments inside embankments. Pyshko, L.V., (1985, p.19-29, rus) 39-3821
- Mobile complex of equipment for small construction jobs. (1984, p.30-31, rus) 39-3878
- Large bridges of Siberia. Bykov, I.G., (1984, p.59-60, rus) 39-3879
- See also: Ice crossings; River crossings
- Brightness**
- Synoptic sea ice-atmosphere interactions. Carleton, A.M., (1984, p.7245-7258, eng) 39-260
- Sea ice brightness temperatures in the Weddell Sea. Murray, C.W., Jr., et al, (1984, 89p., eng) 39-1391
- Extraction of sea ice area using AVHRR data of NOAA satellite. Tanaka, S., et al, (1984, p.197-206, eng) 39-3462
- Discrimination of sea ice edge in the Antarctic, from NOAA MSU. Yamanouchi, T., et al, (1984, p.207-217, eng) 39-3463
- Brines**
- Results of geological-geophysical studies of eastern Siberia in 1976-1980. Pinneker, E.V., ed, (1982, 136p., rus) 39-32
- Formation and geological activity of ground waters in eastern Siberia. Pinneker, E.V., et al, (1982, p.105-112, rus) 39-35
- Permafrost transformation induced by mining activities. Pisarekii, B.I., et al, (1982, p.119-123, rus) 39-37
- Optimum expulsion of brine from sea ice. Crimiale, W.O., Jr., et al, (1984, p.3581-3585, eng) 39-259
- Natural salt extracts and their value for prospecting in permafrost areas. Kokin, A.V., (1984, p.37-44, rus) 39-317
- Obtaining clathrate-type polyhydrates for ammonium iodides. Diadin, I.U.A., et al, (1984, p.13-18, rus) 39-321
- Clathrates in water-ammonium salts systems. Diadin, I.U.A., et al, (1984, p.79-84, rus) 39-346
- Equipment for determining salt composition of sea ice. Pivovarov, S.V., et al, (1984, p.113-119, rus) 39-473
- Conference of young scientific associates on the geology and geophysics of eastern Siberia, 11th, Irkutsk, Apr. 17-19, 1984. Summaries. Laperdin, V.K., ed, (1984, 240p., rus) 39-915
- Laboratory studies of cryometamorphism of brines. Alekseev, S.V., (1984, p.158-159, rus) 39-922
- Note on brine layer spacing of first-year sea ice. Nakawo, M., et al, (1984, p.193-206, eng) 39-1628
- Effect of natural brine deicing agents on pavements. Eck, R.W., et al, (1983, p.24-31, eng) 39-1646
- Role of mosses in reclamation of brine spills in forested areas. Ross, B.A., et al, (1984, p.67-71, eng) 39-1935
- Technique for producing ice from NaCl brine for studying fundamental deformation behavior. Godavarti, P.S., et al, (1985, p.234-237, eng) 39-2418
- Technique for producing ice from NaCl brine for studying fundamental deformation behavior. Godavarti, P.S., et al, (1985, p.173-176, eng) 39-3285
- Experimental study of brine upward migration in sea ice. Kasai, T., et al, (1984, p.149-155, jpn) 39-4043
- Brittleness**
- Operation and maintenance of open-pit excavators under conditions of the North. Makhno, D.E., (1984, 133p., rus) 39-645
- Embrittlement of welds. Solomon, H.D., (1983, p.525-559, eng) 39-1448
- Fracture toughness evaluation of steels for Arctic marine use. (1984, var. p., eng) 39-2256
- Technological strength of welded joints at low temperatures. Sleptsov, O.I., (1984, 102p., rus) 39-2572
- Selection of steel qualities for low temperature use. Charleux, J., et al, (1984, p.184-193, eng) 39-3100
- Bubbles**
- Arctic whitecapping: preliminary results. Monahan, E.C., et al, (1984, p.53-56, eng) 39-1136
- Density and rheological properties of glacier ice. Salamatin, A.N., et al, (1985, p.94-106, rus) 39-2897
- Record of global pollution in polar snow and ice. Wolff, E.W., et al, (1985, p.535-540, eng) 39-2927
- New dry extraction system for gases in ice. Moor, E., et al, (1984, p.358-361, eng) 39-3787
- Lattice statistics model for the age distribution of air bubbles in ice. Enting, I.G., (1985, p.654-655, eng) 39-3907
- See also: Gas inclusions
- Bubbling**
- Melting ice with air bubblers. Carey, K.L., (1983, 11p., eng) 39-2094
- Building**
- See: Construction
- Building codes**
- See: Design criteria
- Building materials**
- See: Construction materials
- Buildings**
- Thermal insulation and materials. Govan, F.A., ed, (1983, 893p., eng) 39-219
- Winter air exchange rates in Fairbanks buildings. Kailing, S.H., (1983, 32p., eng) 39-530
- Oil and gas-fired heat generation systems in Alaska. Vola, 1 and 2. Johnson, R., (1983, 2 vols., eng) 39-558
- Performance of buildings and structures on permafrost. Sobolev, P.V., (1984, p.23-24, rus) 39-676
- Modern equipment and technology at the construction sites of gas-pumping objects in western Siberia. Zinov'ev, L.A., et al, (1984, p.10-12, rus) 39-1030
- Engineering and geological research in construction on weak ground. Rubinshtein, A.I.A., et al, (1984, 108p., rus) 39-1932
- Interview with official of the Soviet ministry of the petroleum industry. Kliuchnikova, L.P., (1985, p.6-8, rus) 39-2025
- Thermopiles for permafrost control in Siberia. Baaz, S.L., et al, (1984, p.11-12, rus) 39-2101
- AANBUS: the creation of a building system for Antarctica. Incoll, P., (1980, var. p., eng) 39-2111
- Power plant installation manual for Australian antarctic stations. (1981, n.p., eng) 39-2190
- Proposal for rebuilding Australian antarctic stations. (1981, 24p. + attachments, eng) 39-2191
- Halon fire protection system for store buildings. (1982, var. p., eng) 39-2231
- Mawson bulk fuel system. (1982, var. p., eng) 39-2232
- Australian antarctic building system data sheets. (1984, var. p., eng) 39-2233
- Runway at Rodolfo Marsh Martin Station. Carvajal, E.M., (1983, p.144-155, eng) 39-2610
- Rebuilding of Australia's 3 antarctic stations, Parts 1-3. Gosbell, K.B., et al, (1983, p.214-273, eng) 39-2616
- Support of construction activities during rebuilding of Australia's antarctic stations. Holmes, I.E.B., (1983, p.274-279, eng) 39-2617
- Concrete practices at Australian antarctic stations. McEwan, R., et al, (1983, p.280-287, eng) 39-2618
- New design concept for Halley Station. Smith, A., (1983, p.316-325, eng) 39-2620
- Construction and reconstruction of scientific stations in the Antarctic. Korotkevich, E.S., et al, (1983, p.326-337, eng) 39-2621
- Technical concepts of the antarctic stations Georg-Von-Neumayer and Filchner of the Federal Republic of Germany. Mannhardt, S., (1983, p.338-347, eng) 39-2622
- Floor-elevated summer quarters at Syowa Station. Hannuki, T., et al, (1983, p.348-353, eng) 39-2623
- Laboratory base for geophysical observations. Germandt, H., et al, (1983, p.354-358, eng) 39-2624
- Safer, more practical and comfortable Chilean bases. Araya F., et al, (1983, p.366-381, eng) 39-2625
- Scott Base rebuilding programme. Varcoe, G., (1983, p.399-405, eng) 39-2627
- Thermal insulation and additional moisture insulation in buildings. Kohonen, R., et al, (1984, 93p. + append., fin) 39-2755
- Railroad construction in paluded northern taiga. Klenov, V.V., (1983, p.104-106, rus) 39-2827
- Ecological aspects of economic development of the North. Bud'kov, S.T., (1984, p.79-80, rus) 39-3062
- Protecting foundations of buildings and structures from adverse effects of ground water. Degtiarev, B.M., et al, (1985, 264p., rus) 39-3702
- Combined method for electric thawing of permafrost foundation beds. Maksimenko, E.S., (1985, p.261-263, eng) 39-3818
- Experimental rheology of clay soils. Meschian, S.R., (1985, 342p., rus) 39-3908
- Heat loss factors for insulated building foundations. Zaring, J.P., et al, (1984, 65p., eng) 39-3937
- Measuring thermal performance of building envelopes: nine case studies. Flanders, S.N., (1985, 36p., eng) 39-3958
- Buoyancy**
- Dynamic response of an icebreaker hull to ice breaking. Mueller, A., et al, (1984, p.287-296, eng) 39-1811
- Buoyancy flow during the melting of a vertical semi-infinite region. Huang, S.C., (1985, p.1231-1233, eng) 39-4022
- Cables (power lines)**
- See: Power lines
- Cables (ropes)**
- Dynamic and aeroelastic action of guy cables. Karna, T., (1984, 69p. + append., eng) 39-1210
- Rules for the development of united regional appraisals for structures and construction work. (1985, 156p., rus) 39-2516
- Caissons**
- Beaufort Sea caisson retained island. Comyn, M., (1984, p.40-44, eng) 39-737
- Gulf Canada's Beaufort Sea drilling system. (1982, p.20-23, eng) 39-1475
- Estimation of internal pressure due to a growth of ice thickness in a caisson. Saeki, H., et al, (1984, p.97-109, eng) 39-1796
- Caisson Retained Island (CRI) the first year of operation. Comyn, M.I., (1984, 12p., eng) 39-1847
- Bottom founded mobile offshore drilling unit in Canada's Beaufort Sea. Myers, R., et al, (1984, 16p. + figs., eng) 39-1849
- Mobile Arctic Island (MAI) for drilling and production. Berlie, E.M., et al, (1984, 42p., eng) 39-1862
- Caisson drilling and completion system. Hewlett, C., (1984, 17p. + 19 figs., eng) 39-1867
- Arctic technology awaiting big discovery. Machemehl, J.L., (1985, p.41-43, eng) 39-1943
- Arctic report. (1985, p.44-61, eng) 39-1944
- On some Arctic drilling units recently constructed in Japan. Kitagawa, H., et al, (1985, p.75-81, eng) 39-2399
- Reinforced underwater ice berm. Michel, B., (1985, p.281-285, eng) 39-2425
- Numerical analysis of a caisson retained gravel island. Saari, K.H.O., et al, (1985, p.294-301, eng) 39-2427
- Molokpaq development at Tasiut P-45. Jefferies, M.G., et al, (1985, p.1-27, eng) 39-3159
- Overview of artificial island design and construction in the Arctic. Wang, J.L., et al, (1985, p.28-38, eng) 39-3160
- Modular construction technology for arctic islands. Buslov, V.M., (1985, p.66-74, eng) 39-3164
- Estimation of ice loads from caisson deformations Gulf Canada Molokpaq. Erbatov, M.F., (1985, p.193-201, eng) 39-3172
- Probabilistic design of gravity foundations for arctic offshore structures. Vivatrat, V., et al, (1985, p.421-429, eng) 39-3191
- Geotechnical design of caisson islands. Been, K., et al, (1985, p.1206-1214, eng) 39-3253
- Calving**
- Why are the antarctic icebergs so large. Orheim, O., (1978, p.277-280, nor) 39-708
- Studies on formation and range of ice avalanches. Alcan, J.-C., (1984, 217p., ger) 39-992
- Canada**
- Reconstruction of the glacial ice covers of Greenland and the Canadian Arctic islands by three-dimensional, perfectly plastic ice-sheet modelling. Reeh, N., (1984, p.115-121, eng) 39-184
- Snow cover data, winter 1982-83. (1984, 44p., eng) 39-531
- Environmental concerns related to offshore drilling and production. (1980, 72p., eng) 39-728
- Canada's last great ice sheet. Dyke, A.S., et al, (1983, p.6-8, eng) 39-780
- Trace metal characterization in berite for drilling operations. (1980, 72p. + append., eng) 39-994
- Domestic waste treatment in the Canadian Arctic. (1981, 115p., eng) 39-1229
- Offshore structures and ice-infested waters in Canada. (1984, p.3-15, 46-57, eng) 39-2873

Canada (cont.)

- Soviet-Canada cooperation in ice navigation. (1984, p.33-36, eng) 39-2875
- Arctic Pilot Project. Sinclair, G.W., (1984, p.10-14, eng) 39-2922
- Canadian shipbuilding and offshore and Arctic prospects. Walsh, H.M., (1984, p.15-18, eng) 39-2923
- Ships for Arctic waters. Beghin, D., (1983, p.842-850, fre) 39-2940
- Studying climatic change from Canadian High Arctic ice cores. Koerner, R.M., et al, (1981, p.195-218, eng) 39-3282
- Canadian perspective on Arctic offshore operations. Croasdale, K.R., (1985, p.50-54, eng) 39-3329
- Snow impurities in Eastern Canada, 1980-1981. Barrie, L.A., et al, (1984, p.1459-1469, eng) 39-3371
- Canadian Symposium on Remote Sensing, 1983. (1984, 840p, eng) 39-3439
- Quaternary environments of eastern Canadian Arctic and W. Greenland. Andrews, J.T., ed, (1985, 774p, eng) 39-3931
- Quaternary and present environments of northeastern Canada. Jacobs, J.D., et al, (1985, p.26-68, eng) 39-3932
- Patterns of glacial erosion across the eastern Canadian Arctic. Andrews, J.T., et al, (1985, p.69-92, eng) 39-3933
- Alberta**
- Water supply review and snow survey summary, 1981-82 (Alta.), (1982, 25p. + append., eng) 39-1003
- Role of mosses in reclamation of brine spills in forested areas. Ross, B.A., et al, (1984, p.67-71, eng) 39-1935
- Glacial and postglacial sediments, Calgary area, Alberta. Proudfoot, D.N., et al, (1982, 159p., eng) 39-2567
- Alberta—Athabasca River**
- Analysis of breakup and ice jams on the Athabasca River at Fort McMurray, Alberta. Andres, D.D., et al, (1984, p.444-458, eng) 39-876
- Alberta—Castleguard Mountain**
- Castleguard karst and Columbia Icefields physiography. Ford, D.C., (1983, p.427-436, eng) 39-1323
- Hydrology of the Castleguard karst, Columbia Icefield, Alberta, Canada. Smart, C.C., (1983, p.471-486, eng) 39-1324
- Alberta—Kananaskis Valley**
- Snow avalanche frequency and velocity for the Kananaskis Valley in the Canadian Rockies. Johnson, E.A., et al, (1985, p.141-151, eng) 39-2557
- Alberta—Marmot Creek**
- Correlation of snowpack and runoff, Marmot Creek basin, Alberta. Golding, D.L., (1974, p.31-38, eng) 39-2498
- Alberta—Peyto Glacier**
- Atmospheric circulation and glacier mass balance. Yarnal, B., (1984, p.188-198, eng) 39-1674
- British Columbia**
- Subglacial volcanism in north-central British Columbia and Iceland. Allen, C.C., et al, (1982, p.699-715, eng) 39-766
- Variation of ground snow loads with elevation in Southern British Columbia. Claus, B.R., et al, (1984, p.480-493, eng) 39-877
- Prediction of glacier derived runoff for hydro-electric development. Tangborn, W.V., (1984, p.257-265, eng) 39-2508
- Role of glaciers in fjord formation. Glazovskii, A.F., (1984, p.115-119, rus) 39-2776
- British Columbia—Emerald Glacier**
- Re-advance of a debris-covered glacier, President Range, B.C. Canada. Rogerson, R.J., (1985, p.13-17, eng) 39-3719
- British Columbia—Flood Lake**
- Sudden discharge of glacier-dammed Flood Lake, B.C. Clarke, G.K.C., et al, (1984, p.502-504, eng) 39-1908
- British Columbia—Homathko River**
- Landsat based mapping of snow and vegetation cover. Hawes, D.B., (1984, var. p. + 2 maps, eng) 39-1143
- British Columbia—Queen Charlotte Sound**
- Evidence of ice rafting and tractive transfer in cores from Queen Charlotte Sound, British Columbia. Conway, K.W., et al, (1985, p.703-708, eng) 39-2334
- British Columbia—Sentinel Glacier**
- Atmospheric circulation and glacier mass balance. Yarnal, B., (1984, p.188-198, eng) 39-1674
- Hudson Bay**
- Summer season along Hudson Bay, 19th century. Wilson, C.V., (1985, 38p. + figs., eng) 39-3691
- Labrador**
- Grounding and scouring icebergs on the Labrador Shelf. Woodworth-Lynas, C.M.T., et al, (1984, p.13-20, eng) 39-2529
- Iceberg grounding and scouring on the Labrador Continental Shelf. Woodworth-Lynas, C.M.T., et al, (1985, p.163-186, eng) 39-2559
- New Brunswick—Bay of Fundy**
- Winter ice regime in the tidal estuaries of the Bay of Fundy. N.B. Desplanque, C., et al, (1984, p.7-38, eng) 39-1455
- New Brunswick—Nashwaak River**
- Study of river ice breakup using hydrometric station records. Beltaos, S., (1984, p.41-64, eng) 39-1456
- Forecasting the initiation of ice breakup on the Nashwaak River. N.B. Tang, P.W., et al, (1984, p.65-93, eng) 39-1457
- Newfoundland**
- Seabed processes on the NE Grand Banks, Newfoundland. Barrie, J.V., et al, (1984, p.209-227, eng) 39-502
- Icebergs in the Strait of Belle Isle and approaches. (1982, 21p. + map, eng) 39-2919
- Ice scoring on NE Grand Banks, Newfoundland. Amos, C.L., et al, (1985, p.220-221, eng) 39-3765
- Northwest Territories**
- Re-evaluation of pollen-climate transfer functions in Keewatin, northern Canada. Kay, P.A., et al, (1983, p.550-559, eng) 39-864
- Hydrology of a drainage basin in the Canadian high Arctic. Woo, M., (1983, p.577-596, eng) 39-866
- Northern ecology and resource management. Olson, R., ed, (1984, 438p., eng) 39-2262
- Lichen woodland in northern Canada. Rowe, J.S., (1984, p.225-237, eng) 39-2267
- Tundra plant communities of the Mackenzie Mountains, Northwest Territories; floristic characteristics of long-term surface disturbances. Kershaw, G.P., (1984, p.239-309, eng) 39-2268
- Environmental guidelines: pits and quarries. (1982, 69p., eng) 39-2900
- Northwest Territories—Axel Heiberg Island**
- McGill Axel Heiberg Station with an inventory as of June 1983. Adams, P., (1984, 7p. + append., eng) 39-953
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- Ice core analysis, Penny Ice Cap, Baffin Island. Holdsworth, G., (1984, p.3-15, eng) 39-236
- Grain-size characteristics of quaternary sediments, Baffin Island region. Andrews, J.T., (1985, p.124-153, eng) 39-3934
- Weathering and soil development on Baffin Island. Locke, W.W., III, (1985, p.331-353, eng) 39-3936
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- Glacial lakes of Banks Island, Canadian Arctic. Vincent, J.S., (1983, p.39-48, fre) 39-2821
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- Classification of plants, Bathurst I., N.W.T., Canada. Sheard, J.W., et al, (1983, p.1618-1636, eng) 39-452
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- Basal sliding relations deduced from ice-sheet data. Morland, L.W., et al, (1984, p.131-139, eng) 39-1668
- Pollen analysis of the 1973 ice core from Devon Island glacier, Canada. McAndrews, J.H., (1984, p.68-76, eng) 39-2062
- Devon Island ice core and the glacial record. Koerner, R.M., et al, (1985, p.309-327, eng) 39-3935
- Northwest Territories—Ellesmere Island**
- Ice conditions off the north coast of Ellesmere Island, Spring 1980. Serson, H.V., (1983, 17p. + append., eng) 39-226
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- Milne Glacier on Ellesmere Island may be surging. Jeffries, M.O., (1984, p.251-253, eng) 39-1686
- Arctic ice shelf studies, Spring 1983. Jeffries, M.O., (1983, 31p., eng) 39-2207
- Isotope variations in ice cores from Ellesmere Island. N.W.T. Jeffries, M.O., (1983, 37p., eng) 39-2208
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- Ice jam research needs. Gerard, R., (1984, p.181-193, eng) 39-1463
- Limitations to predictability of plant succession in northern ecosystems. Wein, R.W., et al, (1983, p.214-225, eng) 39-1522
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- Grass seeding tests in the Mackenzie Delta region, N.W.T. Younk, W.E., et al, (1976, 59p., eng) 39-729
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- Lichen-free zones as neoglacial indicators on western Melville Island, District of Franklin. Edlund, S.A., (1985, p.709-712, eng) 39-2335
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- Toward a radar surveillance system for Lake Melville/Offshore Labrador. Parashar, S., et al, (1984, p.293-300, eng) 39-3445
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- Milne Glacier on Ellesmere Island may be surging. Jeffries, M.O., (1984, p.251-253, eng) 39-1686
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- Glacial lake in the Richardson and Rae River basins, Northwest Territories. Mercier, A.L., (1984, p.75-80, eng) 39-2709
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- Proceedings. Tree-line ecology. (1983, 188p., eng) 39-2669
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- Palsas and permafrost distribution in the Northern Hemisphere. Dionne, J.C., (1984, p.165-184, fre) 39-2721
- Quebec—LaGrande River**
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Tritium in antarctic precipitation—information on global distribution. Hebert, D., (1984, p.7-22, eng) 39-127
- Regularities governing the formation of chemical composition of ground waters in the Udokan Range. Belakov, A.E., et al. (1984, p.71-76, rus) 39-842
- Monitoring pond waters near Showa Station (II). Murayama, H., et al. (1984, p.187-193, eng) 39-1093
- Origin of salts in antarctic saline lake waters. Masuda, N., et al. (1984, p.194-203, eng) 39-1094
- Evaluation of chemical concrete for antarctic ground anchors; interim report. Taylor, P.T., (1982, 7 leaves, eng) 39-2113
- Chemical composition of periglacial lake waters in East Antarctica. Shmideberg, N.A., et al. (1985, p.107-127, rus) 39-2898
- Deicer composition. Duane, J.J., et al. (1963, 6 col., eng) 39-3828
- Deicer composition. Standish, N.W., et al. (1965, 6 col., eng) 39-3830
- Deicer composition. Standish, N.W., et al. (1966, 6 col., eng) 39-3832
- Foamable de-icing defrosting composition and method of de-icing and defrosting. Dawtrely, S., et al. (1967, 4 col., eng) 39-3833
- Water-activated exothermic chemical deicing formulations. Gancy, A.B., (1983, 6 col., eng) 39-3858
- Method to inhibit corrosive effect of MgCl₂ solutions. Kloth, H., et al. (1980, 3p., ger) 39-3974
- De-icing composition. (1970, 3p., eng) 39-3975
- See also: Atmospheric composition; Frozen ground chemistry; Geochemistry; Ice composition; Snow composition; Soil chemistry; Soil composition; Water chemistry
- Chemical ice prevention**
Optimizing deicing chemical application rates. Minsk, L.D., (1982, 55p., eng) 39-1270
- Effect of natural brine deicing agents on pavements. Eck, R.W., et al. (1983, p.24-31, eng) 39-1646
- Chemical ice prevention on aircraft carburetors. Newman, R.L., (1982, p.305-309, eng) 39-1998
- Frost resistant substances for seam-grouting at airports. Bobrov, G., (1985, p.36-37, rus) 39-3261

Chemical ice prevention (cont.)

- Roadway salting effects on snowmelt water quality. Berg, N.H., et al., 1984, p.237-246, eng. 39-3291
- Deicer composition. Duane, J.J., et al., 1963, 6 col., eng. 39-3828
- Deicer composition. Standish, N.W., et al., 1965, 6 col., eng. 39-3830
- Deicer composition. Standish, N.W., et al., 1966, 6 col., eng. 39-3832
- Foamable de-icing/defrosting composition and method of de-icing and defrosting. Dawtry, S., et al., 1967, 4 col., eng. 39-3833
- Aircraft deicing apparatus. Cook, V.H., 1971, 8 col. + figs., eng. 39-3841
- Water-activated exothermic chemical deicing formulations. Gancy, A.B., 1983, 6 col., eng. 39-3858
- Water-activated exothermic chemical formulations. Gancy, A.B., 1984, 10 col., eng. 39-3859
- Coarse-particle calcium/magnesium acetate suitable for roadway and walkway deicing, and process for its manufacture. Gancy, A.B., 1984, 10 col., eng. 39-3862
- Ice and snow control by mineral material and skid resistance. Hoffmann, G., et al., 1985, p.139-146, ger. 39-3894
- Method and composition for improving safety of aircraft runways. Moore, W.P., et al., 1976, 18p., eng. 39-3970
- Anti-icer and de-icer compositions. Baiker, J.C., et al., 1975, 14p., eng. 39-3971
- Deicing composition. Mitkevich, E.M., et al., 1982, 4 col., rus. 39-3972
- De-icing composition. 1970, 3p., eng. 39-3975
- Deicing composition. Shakir, M., et al., 1982, 8 col., rus. 39-3978
- De-icing composition and process for preparation. Rippie, W., 1983, 9p., eng. 39-3979
- Spreading agent for slippery surfaces on snow and ice. Budich, M., 1982, 4p., ger. 39-4014
- Spreading agent for slippery roads and streets. Friedrich, G., 1981, 4p., ger. 39-4015
- Environment-friendly salt and method of its production. Dichtl, W., 1983, 10p., ger. 39-4017
- Use of solutions for melting icy surfaces. Titzenthaler, E., et al., 1979, 4 col. + fig., ger. 39-4018
- Spreading agent for icy and snowy roads. Fresenius, W., 1972, 4p., ger. 39-4019
- Effects of deicing salt on physical, chemical and biological soil parameters. Brod, H.G., 1984, p.236-242, ger. 39-4050
- Freeze thaw tests of concrete exposed to deicing chemicals. Sorensen, E.V., 1982, p.709-718, eng. 39-4065
- See also: Salting
- Chemical properties**
- Overview of acid rain monitoring activities in North America. Wisniewski, J., et al., 1982, p.598-618, eng. 39-2213
- Environmental pollution of chlorinated hydrocarbons in the Antarctic. Hidaka, H., 1984, p.9-14, jpn. 39-2274
- Building materials and acid precipitation. Merry, C.J., et al., 1985, 40p., eng. 39-4054
- Chernozem**
- Irrigation of cryogenic chernozem. Poriadin, V.M., 1984, p.65-71, rus. 39-3026
- China**
- Climatic variations in China during the Quaternary. Duan, W., et al., 1980, p.515-524, eng. 39-91
- Distribution of snow cover in China. Li, P., et al., 1983, p.9-18, chj. 39-262
- Some advance in the research of the Lanzhou Institute of Glaciology and Cryopedology (1981-1982). Shi, Y., et al., 1983, p.63-66, chj. 39-268
- Permafrost during Late Pleistocene in N and NE China. Cui, Z., et al., 1984, p.165-176, chj. 39-626
- National Chinese Conference on Permafrost, 2nd, 1981. Brown, J., et al., 1982, 58p., eng. 39-871
- Preliminary study on Quaternary climate in China. Guo, X., 1984, p.49-59, chj. 39-933
- Glaciers of China. Huang, J., 1984, p.85-93, chj. 39-937
- Study of climate change in the permafrost regions of China: a review. Cheng, G., 1984, p.139-144, eng. 39-2145
- Air temperature in plateau permafrost, West China. Wang, Q., et al., 1984, p.37-47, chj. 39-3319
- On engineering geological survey in alpine permafrost regions of West China. Qiu, G., 1980, p.17-23, chj. 39-3696
- Altay Shan**
- Fundamental features of modern glaciers in the Altay Shan of China. Wang, L., et al., 1983, p.27-38, chj. 39-264
- Traces of ancient glaciations and their division in the Quaternary at the drainage basin of Halasi River in the Altay Shan of China. Liu, C., et al., 1983, p.39-47, chj. 39-265
- Analysis on the relationship between streamflow and precipitation in Altay mountainous region. Zhou, B., 1983, p.49-56, chj. 39-266
- Correlation between tree ring and climatic and glacial variations in the region of Mts. Altay. Kang, X., 1983, p.57-62, chj. 39-267
- Batura Glacier**
- Some studies of the Batura glacier in the Karakoram Mountains. Shi, Y., et al., 1984, p.51-63, eng. 39-2299
- Variations of the Batura Glacier's surface from repeated surveys. Chen, J., 1984, p.196-204, eng. 39-2310
- Measurement on variation of glacial surface by repeated terrestrial stereophotographic method. Chen, J., 1980, p.29-36, chj. 39-3698
- Changjiang River**
- Quaternary climate of East China. Nie, G., 1984, p.79-83, chj. 39-3323
- Gongga Mountain**
- Avalanches and glacier at Hailouguo in the Mt. Gongga. Wang, Y., et al., 1984, p.37-44, chj. 39-1538
- Huanggangliang**
- Periglacial processes of the Huanggangliang region, China, Late Pleistocene. Xie, Y., 1984, p.69-78, chj. 39-3322
- Jiangxi Province**
- Glaciation in Lushan and mudflow in the Jiangxi Province. Wang, H., et al., 1984, p.89-91, chj. 39-1545
- Karakoram Mountains**
- Recent variations of the Insukaiti glacier and adjacent glacier in the Karakoram Mountains. Zhang, X., 1980, p.12-16, chj. 39-3695
- Lushan**
- View on Quaternary glaciation in Lushan from the results of some modern glacial researches. Su, Z., 1984, p.83-88, chj. 39-1544
- Glaciation in Lushan and mudflow in the Jiangxi Province. Wang, H., et al., 1984, p.89-91, chj. 39-1545
- Mountain mudflows in Lushan, China. Deng, X., 1984, p.97-90, chj. 39-3521
- Qilian Shan**
- On the classification of ground water in the permafrost area in Qilian Shan. Guo, P., 1984, p.79-84, chj. 39-936
- Preliminary observation on neoglaciation in Qilian Mountains. Wu, G., 1984, p.53-60, chj. 39-1540
- Radar measurement of glacier thickness. Ding, Y., et al., 1984, p.157-160, eng. 39-3369
- Qinghai-Xizang Plateau**
- Glaciers in the north-eastern part of the Ch'ing-hai-Hai-tang (Qinghai-Xizang) Plateau (Tibet) and their variations. Wang, W., 1983, p.383-391, eng. 39-200
- Discussion on the periglacial development in the northeast marginal region of Qinghai-Xizang Plateau. Xu, S., et al., 1984, p.15-25, chj. 39-1536
- Distribution of glaciers on the Qinghai-Xizang Plateau and its relationship to atmospheric circulation. Li, J., et al., 1984, p.84-93, eng. 39-2302
- Polygon-veins along the Qinghai-Xizang highway. Liang, F., et al., 1984, p.49-60, chj. 39-3320
- Shennongjia Mountains**
- Ancient rock sea in Shennongjia Mountain. Guo, F., 1983, p.67-70, chj. 39-269
- Tian Shan**
- Preliminary discussion on influence of Tarim Basin upon the glacier development in southern Tian Shan Mountains. Wang, Z., et al., 1984, p.61-70, chj. 39-934
- Study of Quaternary glaciation in Mts. Tomur-Hantengri area, Tian Shan. Shi, Y., et al., 1984, p.1-14, chj. 39-1535
- Features of Wangfeng glacial moraine at the headwater of Urumqi River in Tianshan. Ma, Q., 1984, p.61-67, chj. 39-1541
- Glacier oscillation in relationship with climatic changes. Tian Shan. Zhang, X., et al., 1984, p.1-12, chj. 39-3316
- Behavior of Glacier No.1 at Urumqi River headwaters. Wang, W., et al., 1984, p.13-24, chj. 39-3317
- Mass balance of Glacier No.1, Tian Shan and climate. Zhang, J., et al., 1984, p.25-36, chj. 39-3318
- Gravimetric measurement of glacier thickness in Tian Shan. Zeng, Z., 1984, p.31-38, chj. 39-3515
- Sedimentation since Last Ice Age, Tian Shan. Feng, Z., et al., 1984, p.39-49, chj. 39-3516
- Modern periglacial process in the central part of Tian Shan. Ji, Z., 1980, p.1-11, chj. 39-3694
- Wutai Mountain**
- Basic characteristics of periglacial landforms on Wutai Mountain. Zhu, J., et al., 1984, p.71-76, chj. 39-935
- Xizang Plateau**
- Salient characteristics of soil-forming processes in Xizang (Tibet). Gao, Y., et al., 1983, p.11-17, eng. 39-1629
- Yellow River**
- Analysis of causes for floods during ice run on the lower reaches of the Yellow River. Chen, Z., et al., 1984, p.379-388, eng. 39-1785
- Chlorophyll**
- Hydrobiological regime of northern lakes. Pautova, V.N., et al., 1984, p.23-30, rus. 39-322
- Seasonal change of chlorophyll *a* in Lützw-Holm Bay. Fukuchi, M., et al., 1984, p.51-59, eng. 39-1068
- Late winter chlorophyll *a* distributions in the Weddell Sea. Marra, J., et al., 1984, p.197-205, eng. 39-1826
- Phytoplankton abundance, chlorophyll *a*, and primary productivity in the western Beaufort Sea. Horner, R., 1984, p.295-310, eng. 39-1881
- Chukchi Sea**
- Synoptic sea ice-atmosphere interactions. Carleton, A.M., 1984, p.7245-7258, eng. 39-260
- Storm surges in the Beaufort and Chukchi Seas. Kowalik, Z., 1984, p.10,570-10,578, eng. 39-969
- Acoustic velocities of nearshore materials in the Alaskan Beaufort and Chukchi Seas. Morack, J.L., et al., 1984, p.259-274, eng. 39-1879
- Subsea permafrost distribution on the Alaskan shelf. Sellmann, P.V., et al., 1984, p.75-82, eng. 39-2131
- Inner shelf of the Chukchi Sea, Alaska, summer, 1982. Reiss, T.E., et al., 1984, 3p. + 9 figs., eng. 39-3390
- Long term forecasting of the state of Chukchi polynyas in spring. Arikainen, A.I., 1984, p.51-56, eng. 39-3650
- Geotechnical properties of samples from borings, Chukchi Sea, Alaska. Winters, W.J., et al., 1984, 55p., eng. 39-3688
- Circulation**
- See: Atmospheric circulation; Drift; Ocean currents
- Cirque glaciers**
- Climatic changes, cirque glaciers and vegetation, Norway. Larsen, E., et al., 1984, p.137-160, eng. 39-717
- Ice thickness on cirque glaciers in the Yamato Mountains. Nagao, T., et al., 1984, p.9-16, eng. 39-1086
- Theory of rotating cirque glacier movement and its applications. Körner, H., 1983, p.103-130, ger. 39-1963
- Transitional forms between snowpatch and glacier. Lindh, L., 1984, p.145-156, eng. 39-2564
- Cirques**
- Modern periglacial process in the central part of Tian Shan. Ji, Z., 1980, p.1-11, chj. 39-3694
- City planning**
- See: Urban planning
- Classifications**
- Analysis of the bryoflora of Central Timan. Zheleznova, G.V., 1981, p.40-42, rus. 39-63
- Problems in studying lichen synusia of the Arctic. Trass, Kh.Kh., 1981, p.70-72, rus. 39-72
- Lichens in the Arctic tundras of the Yamal Peninsula. Andreev, M.P., 1981, p.75-76, rus. 39-73
- Lichens of the western Sayan. Kravchuk, S.V., 1981, p.90-92, rus. 39-74
- Review of studies of flora in Yakutia. Savkina, Z.P., et al., 1984, p.12-29, rus. 39-3011
- See also: Landscape types; Soil classification
- Clathrates**
- Studying and predicting conditions of gas accumulation in gas-hydrate deposits. Cherskil, N.V., et al., 1983, 155p., rus. 39-52
- Obtaining clathrate-type polyhydrates for ammonium iodides. Diadin, I.U.A., et al., 1984, p.13-18, rus. 39-321
- Thermophysical properties of natural gas hydrates. Grolman, A.G., et al., 1984, p.26-30, rus. 39-324
- Water-dioxane clathrates at atmospheric pressure. Diadin, I.U.A., et al., 1984, p.67-73, rus. 39-344
- Water-dioxane clathrates at 10 kbar pressure. Zelenin, I.U.M., et al., 1984, p.73-78, rus. 39-345
- Clathrates in water-ammonium salts systems. Diadin, I.U.A., et al., 1984, p.79-84, rus. 39-346
- Spectra of H₂O and D₂O ice clathrates. Johari, G.P., et al., 1984, p.281-284, eng. 39-559
- Hydrocarbon gases. Zhizhenko, B.P., 1984, 113p., rus. 39-968
- Cryocrystals. Prikhod'ko, A.F., et al., 1983, 526p., rus. 39-1317
- Gas hydrates, prevention of their formation and their utilization. Makogon, I.U.F., 1985, 232p., rus. 39-2878
- Detection of gas hydrate horizons in World Ocean. Ginsburg, G.D., et al., 1984, p.141-158, rus. 39-3058
- Clay minerals**
- Compressibility of cohesive soils. Lysenko, M.P., 1984, p.9-14, rus. 39-1306
- Chemical weathering on the Vantage Point nunatak. Dixon, J.C., et al., 1984, p.111-131, eng. 39-2676
- Engineering and geological characteristics of clay soils in Nechernozem'e. Osipov, I.U.B., et al., 1985, p.79-89, rus. 39-2881
- Clay soils**
- Study of frost-heave mechanics of high-clay content soils. Yong, R.N., et al., 1984, p.502-508, eng. 39-1051
- Clay soil compression beneath plates. Dalmatov, B.I., et al., 1984, p.37-42, eng. 39-1078
- Compressibility of cohesive soils. Lysenko, M.P., 1984, p.9-14, rus. 39-1306
- Comparison of actual loess deformation to forecast values. Dikovskii, A.L., 1984, p.12-18, rus. 39-1325
- Engineering geology. Section 5.17. Proceedings, Vol.17. 1984, 144p., rus. 39-1437
- Treatment of earth for filling water-impervious parts of dams. Bikanov, G.F., et al., 1984, p.32-34, rus. 39-1589
- Thermal regime of loams in cores of dams in freezing weather. Kochubievskaja, R.L., et al., 1984, p.36-38, rus. 39-1591

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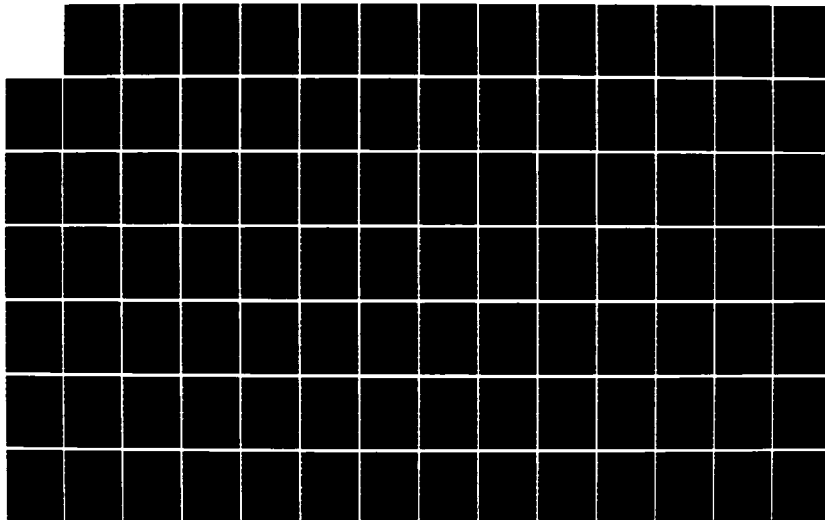
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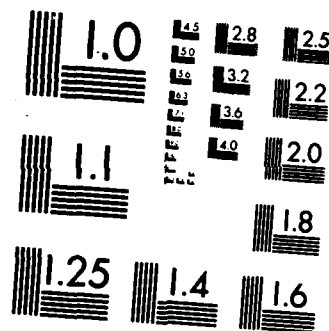
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NATIONAL BUREAU OF STANDARDS-1963-A

- Engineering and geological research in construction on weak ground. Rubinshtein, A.I.A., et al, [1984, 108p, rus] 39-1932
- Investigation of the deformation of clayey soils resulting from frost heaving and thawing in foundations due to loading. Malyshev, M.A., et al, [1984, p.259-263, eng] 39-2168
- New mineral forms in soil-lime systems. Levchenko, A.V., et al, [1984, p.26-35, rus] 39-2183
- Pile foundations of buildings and structures on sagging ground. Grigorian, A.A., [1984, 162p, rus] 39-2239
- Effects of freeze-thaw softening on a natural clay at low stresses. Graham, J., et al, [1985, p.69-78, eng] 39-2486
- Creep and sliding in clay slopes during freeze thaw cycles. Czarda, K.A., et al, [1984, 45p, eng] 39-2514
- Soil freezing and frost heave at Inuvik, N.W.T. Smith, M.W., [1985, p.283-290, eng] 39-2682
- Glacial varved clay in the banks of Nottawasaga River, Ontario. Gravenor, C.P., et al, [1985, p.291-294, eng] 39-2683
- Method for predicting frost heave of buried pipelines. Nixon, J.F., [1984, p.55-59, eng] 39-3048
- Chemical stabilization of loess soils. Sokolovich, V.E., et al, [1985, p.149-154, eng] 39-3111
- Theoretical bases of engineering geology. Physico-chemical bases. Sergeev, E.M., ed, [1985, 288p, rus] 39-3692
- Performance of piles in clay soils under draw-out stresses. Novskii, A.V., [1985, p.106-108, rus] 39-3751
- Experimental rheology of clay soils. Meschian, S.R., [1985, 342p, rus] 39-3908
- Microorganisms in processes of gleying clay soils. Bolotina, I.N., et al, [1985, p.32-38, rus] 39-3909
- Engineering and geological characteristics of loess related to post-settlement compaction. Skvaletskii, E.N., [1985, p.45-54, rus] 39-3911
- Clays**
- Strength of pile foundations built on thawing permafrost. Sal'nikov, P.I., et al, [1984, p.42-48, rus] 39-4116
- Iron compounds in soddy podzols. Shvarova, T.I.U., [1984, p.79-81, rus] 39-4444
- Inclined drainage of earth dams in the North. Moshkova, M.A., et al, [1980, p.52-55, rus] 39-753
- Stresses in artificially frozen zones of mine shafts. Kazikav, D.M., et al, [1984, p.11-13, rus] 39-824
- Failures of buildings built on water-saturated clays. Stroganov, A.S., [1984, p.6-11, eng] 39-1074
- Estimation of the length of evacuation cones of mudflows. Stepanov, B.S., et al, [1984, p.39-42, rus] 39-1284
- Engineering and geological characteristics of clay soils in Nechernozem'e. Osipov, I.L.B., et al, [1985, p.79-89, rus] 39-2881
- Influence of grain-size constituent on frost heave in fine sand. Wang, Z., [1980, p.24-28, chi] 39-3697
- Climate**
- Modeling the ocean in climate studies. Semtner, A.J. Jr., [1984, p.133-140, eng] 39-187
- Climate at CRREL, Hanover, New Hampshire. Bates, R.E., [1984, 78p, eng] 39-647
- Temperatures of West Antarctica compared to those of other antarctic regions. Lambert, D.W.S., [1984, p.116-139, eng] 39-1505
- Study of climatic series by time-frequency analysis. Benoit, J.P., et al, [1982, p.1902-1905, eng] 39-3272
- Solid precipitation regime in Argentina and Antarctica. Minetti, J.L., [1984, p.116-128, spa] 39-3946
- Climate control**
- Large-scale water transfers in the USSR. Kelly, P.M., et al, [1983, p.201-214, eng] 39-618
- Climatic changes**
- Climatic variations in China during the Quaternary. Duan, W., et al, [1980, p.515-524, eng] 39-91
- Symposium on Ice and Climate Modeling, 1983. [1984, 243p, eng] 39-162
- Reconstructing Pleistocene climatic change from the oxygen isotope composition of sediments: a review. Covey, C., [1984, p.43-46, eng] 39-170
- Sensitivity of late-glacial and Holocene climates to the combined effects of orbital parameter changes and lower boundary condition changes: "snapshot" simulations with a general circulation model for 18, 9 and 6 ka BP. Kutzbach, J.E., et al, [1984, p.85-87, eng] 39-178
- Late-glacial maximum-Holocene atmospheric and ice-thickness changes from Antarctic ice-core studies. Lorius, C., et al, [1984, p.88-94, eng] 39-179
- Dynamical heat-flux feedbacks and global climate stability. Molnar, G., et al, [1984, p.106-110, eng] 39-182
- Lake sediments as continental delta O-18 records from the glacial/post-glacial transition. Siegenthaler, U., et al, [1984, p.149-152, eng] 39-189
- Atmospheric CO2 concentration during the last glaciation. Stauffer, B., et al, [1984, p.160-164, eng] 39-191
- Interpretation of the chemical and physical time-series retrieved from Sentik Glacier, Ladakh Himalaya, India. Mayewski, P.A., et al, [1984, p.66-76, eng] 39-244
- Correlation between tree ring and climatic and glacial variations in the region of Mts. Altay. Kang, X., [1983, p.57-62, chi] 39-267
- Ancient rock sea in Shennongjia Mountain. Guo, F., [1983, p.67-70, chi] 39-269
- Nivation in tundra. Rapp, A., [1982, p.131-142, swe] 39-281
- Recent climatic changes in the Caucasus. Surova, N.A., [1984, p.83-98, rus] 39-298
- Forthcoming natural climatic changes in the Elbrus Mountain area. Surova, N.A., [1984, p.98-110, rus] 39-299
- Alaskan varve thickness and climatic changes. Perkins, J.A., et al, [1983, p.308-321, eng] 39-617
- Isotope geochemistry on Vavilov Glacier. Valkmiae, R.A., et al, [1984, p.73-79, eng] 39-726
- Re-evaluation of pollen-climate transfer functions in Keewatin, northern Canada. Kay, P.A., et al, [1983, p.550-559, eng] 39-864
- Stability of the northern Canadian tree limit. Elliott-Fisk, D.L., [1983, p.560-576, eng] 39-865
- Studies of ice formation and ice fabric on the Law Dome, Antarctica. Xie, Z., [1984, p.1-22, chi] 39-930
- Preliminary study on Quaternary climate in China. Guo, X., [1984, p.49-59, chi] 39-933
- Holocene permafrost in the USSR. Baulin, V.V., et al, [1984, p.87-91, eng] 39-1058
- Problems of polar oceanology. Treshnikov, A.F., et al, [1984, p.38-53, rus] 39-1133
- Glacier fluctuations in South Georgia, 1883-1974. Hayward, R.J.C., [1983, p.47-61, eng] 39-1360
- Projecting future sea level rise. Hoffman, J.S., et al, [1983, 121p, eng] 39-1392
- Data from antarctic ice cores on CO2, climate, aerosols, and changes in ice thickness. Lorius, C., [1984, p.49-62, eng] 39-1499
- West antarctic sea ice. Ackley, S.F., [1984, p.88-95, eng] 39-1502
- Late Tertiary shorelines on South Atlantic coasts. Nunn, P.D., [1984, p.185-210, eng] 39-1529
- Climatic changes and Lewis Glacier, Mount Kenya. Kruss, P., [1983, p.43-60, eng] 39-1632
- Terminus response of Lewis Glacier, Kenya. Kruss, P., [1984, p.212-217, eng] 39-1676
- Milankovitch and climate. Kukla, G., ed, [1982, 895p, in 2 vols, eng] 39-1983
- Continental ice sheets and the planetary radiation budget. Oerlemans, J., [1980, p.349-359, eng] 39-2066
- Study of climate change in the permafrost regions of China: a review. Cheng, G., [1984, p.139-144, eng] 39-2145
- Climate change and other effects on permafrost. Smith, M., [1984, p.153-155, eng] 39-2147
- Reconstructions and future predictions of the effects of climate change. Gray, J.T., [1984, p.156-159, eng] 39-2148
- Environmental impact of river diversion. Plitkin, G.A., [1984, p.25-31, rus] 39-2343
- Climatic changes in the Late Quaternary. Wright, H.E. Jr., [1984, p.91-131, eng] 39-2568
- Estimates of future sea level rise. Hoffman, J.S., [1984, p.79-103, eng] 39-2992
- Late glacial climatic history from ice cores. Oeschger, H., et al, [1984, p.95-107, eng] 39-3146
- N15 variations in peat bogs and climatic changes in the past. Niesler, G.H., [1983, p.124-128, eng] 39-3147
- Numerical modelling of Arctic sea ice: review and preliminary results. Van Ypersele, J.P., [1983, p.193-199, eng] 39-3150
- Analysis of historical evidence of climatic change in western and northern Canada. Catchpole, A.J.W., et al, [1981, p.48-96, eng] 39-3280
- Impact of climatic variation on boreal forest biomass production. Powell, J.M., [1981, p.189-194, eng] 39-3281
- Studying climatic change from Canadian High Arctic ice cores. Koerner, R.M., et al, [1981, p.195-218, eng] 39-3282
- Glacier oscillation in relationship with climatic changes. Tian Shan. Zhang, X., et al, [1984, p.1-12, chi] 39-3316
- Mass balance of Glacier No.1, Tian Shan and climate. Zhang, J., et al, [1984, p.25-36, chi] 39-3318
- Climate changes in a cold mountainous region. Du, W., [1984, p.63-68, chi] 39-3518
- Contribution of ice core studies to the understanding of environmental processes. Oeschger, H., [1985, p.9-17, eng] 39-3561
- Dating and climatic interpretation of two deep Greenland ice cores. Dansgaard, W., et al, [1985, p.71-76, eng] 39-3569
- Greenhouse effect and nuclear energy. Okamoto, K., [1984, p.671-678, jpn] 39-3633
- Heat balance of the Greenland ice sheet. Ambach, W., [1985, p.3-12, eng] 39-3718
- Climatic changes in a spruce stand in northern Quebec. Payette, S., et al, [1985, p.125-138, eng] 39-3889
- Ocean-atmosphere systems modes of operation. Broecker, W.S., et al, [1985, p.21-26, eng] 39-3890
- Devon Island ice core and the glacial record. Koerner, R.M., et al, [1985, p.309-327, eng] 39-3935
- Climatic factors**
- Ice-age climate and continental ice sheets: some experiments with a general circulation model. Manabe, S., et al, [1984, p.100-105, eng] 39-181
- Particle concentrations at the South Pole, on meteorological and climatological time scale. Hogan, A., et al, [1984, p.850-853, eng] 39-282
- Vormund test road. Part 3: Observations and results. Nordal, R.S., ed, [1984, 165p, nor] 39-287
- Climatological ice accretion modelling. [1984, 195p, eng] 39-424
- Studies of ocean level fluctuations during postglacial time. Kaplan, P.A., [1982, p.6-11, rus] 39-755
- Antarctic and Greenland ice sheets and the level of world ocean. Verbitakii, M.I.A., [1982, p.120-124, rus] 39-756
- Arctic ocean ice and climate: perspectives on a century of polar research. Barry, R.G., [1983, p.485-501, eng] 39-860
- Temperature anomalies and their association with atmospheric circulation. Rogers, J.C., [1983, p.502-518, eng] 39-861
- Cyclone variability and relationship to sea ice extent. Howarth, D.A., [1983, p.519-537, eng] 39-862
- Bioclimatology of boreal forest ecosystems. Gerardin, V., et al, [1983, p.52-69, eng] 39-1518
- Permafrost and thermokarst in Central Yakutia. Koutaniemi, L., [1984, p.167-181, fin] 39-2054
- Response of Alaskan permafrost to climate. Osterkamp, T.E., [1984, p.145-152, eng] 39-2146
- Plant production and its relation to climate and rodent density. Lapland. Eurola, S., et al, [1984, p.121-130, eng] 39-2933
- Periglacial processes of the Huanggangliang region, China. Late Pleistocene. Xie, Y., [1984, p.69-78, chi] 39-3322
- Greenhouse effect and nuclear energy. Okamoto, K., [1984, p.671-678, jpn] 39-3633
- Global climate system. [1985, 52p, eng] 39-3636
- Climatology**
- Quantitative estimates of the effect of Lake Michigan on snowfall. Braham, R.R., Jr., et al, [1984, p.940-949, eng] 39-285
- Storm surge climatology and forecasting in Alaska. Wiese, J.L., et al, [1981, 26p + appendix, eng] 39-536
- Temperature anomalies and their association with atmospheric circulation. Rogers, J.C., [1983, p.502-518, eng] 39-861
- Hydroclimatic conditions of the Amur River region. Naprasnikov, A.T., et al, [1983, 68p + 15 maps, rus] 39-1449
- Catalog of hydroclimatic data for Alaska's coastal zone. Carlson, R.F., et al, [1982, c58p, eng] 39-2637
- Climatic and physical characteristics of the Greenland ice sheet. Radok, U., et al, [1982, 193p + appendix + maps, eng] 39-2710
- On the use of snow cover as a short-term climatic predictor. Walsh, J.E., et al, [1982, p.170-177, eng] 39-3423
- Problems of large-scale ocean-atmosphere interaction. Nikolaev, I.U.V., et al, [1984, p.66-70, eng] 39-3670
- Bibliography of northern Mackenzie area and Yukon. Canada. Goodwin, C.R., ed, [1984, 310p, eng] 39-3897
- See also: Microclimatology; Paleoclimatology
- Clothing**
- Survival in Antarctica, 1984 edition. [1984, 101p, eng] 39-254
- JSE Brabant Island 1983-85. [1984, 30p, eng] 39-286
- Polar clothing from a thermophysiological viewpoint. Schrader, G., [1983, p.103-106, ger] 39-789
- Comparison of JARE and Eskimo cold weather clothing. Watanabe, K., et al, [1985, p.12-23, eng] 39-3953
- Cloud chambers**
- Ice crystals grown in an unforced air flow cloud chamber. Yamashita, A., et al, [1984, p.135-139, eng] 39-1735
- Morphology of ice crystals grown from vapor. Yamashita, A., et al, [1984, p.140-145, eng] 39-1736
- Laboratory modeling of contact electrification processes in cloud particles. D'akonova, I.N., et al, [1985, 87p, rus] 39-2879
- Cloud cover**
- Satellite discrimination of snow/cloud surfaces. Crane, R.G., et al, [1984, p.213-223, eng] 39-1039
- Are there secondary flows at the edge of the Föhn effect. Shelf. Rose, L., [1985, p.78-85, ger] 39-2810
- Cloud droplets**
- Temperature effects of ice crystal production. Heymsfield, A.J., et al, [1984, p.765-770, eng] 39-145
- Scattering of elliptically polarized waves by different cloud particles. Nazirov, Z.N., [1984, p.3-9, rus] 39-545
- Forms of snow crystals growing from frozen cloud droplets. Y. mazaki, G., et al, [1984, p.190-192, eng] 39-1737
- Shedding of millimeter sized drops in simulated hail formation. Joe, P.I., [1982, n.p., eng] 39-2009
- All-Union conference on radar meteorology, 6th, Tallin, Apr. 20-23, 1982. Proceedings. [1984, 357p, rus] 39-3072
- Radar detection of hail formation in clouds. Absharov, M.T., [1984, p.80-91, rus] 39-3073
- Radar detection of supercooled water droplets in clouds. Koloskov, B.P., et al, [1984, p.91-94, rus] 39-3074
- Predicting rime ice accretion on airfoils. Bragg, M.B., [1985, p.381-387, eng] 39-3447

- Cloud droplets (cont.)**
Droplet size distribution effects on aircraft ice accretion. Hanaman, R.J., Jr., [1983, p.503-508, eng] 39-4051
- Cloud electrification**
Laboratory modeling of contact electrification processes in cloud particles. D'akonova, I.N., et al, [1985, 87p., rus] 39-2879
- Cloud physics**
Scattering of elliptically polarized waves by different cloud particles. Nazirov, Z.N., [1984, p.3-9, rus] 39-345
Growth processes of snow. Lo, K.K., [1983, 192p., eng] 39-744
Cloud physics investigations. Cooper, W.A., et al, [1982, 135p., eng] 39-1232
Infrared signatures from atmospheric clouds. Stanton, A.C., et al, [1980, 67p., eng] 39-1512
All-Union conference on radar meteorology, 6th, Tallin, Apr. 20-23, 1982. Proceedings, [1984, 357p., rus] 39-3072
Complex ice-crystal halo phenomena: sky archaeology. Greenler, R.G., et al, [1980, p.346-353, eng] 39-3882
- Cloud seeding**
Applying television techniques to studying ice crystal conglutination. Kim, N.S., et al, [1984, p.96-101, rus] 39-483
Testing generators for ice-forming aerosols. Beliaev, S.P., et al, [1984, p.124-130, rus] 39-485
Distribution of seeding zones in cloud modification. Ushinaeva, V.F., [1984, p.49-56, rus] 39-547
Model studies on ice-forming aerosol generators used to seed clouds. Beliaev, S.P., et al, [1983, p.48-53, rus] 39-588
Ice-forming natural aerosols. Berzinskii, N.A., et al, [1984, p.37-45, rus] 39-926
Cloud physics investigations. Cooper, W.A., et al, [1982, 135p., eng] 39-1232
Microphysics of hailstone nucleation and growth. Khorguani, V.G., [1984, 187p., rus] 39-2119
Weather changes due to atmospheric seeding with ice-forming nuclei. Detwiler, A., et al, [1982, p.1045-1047, eng] 39-2215
Experimental studies of nucleation by dry ice. Horn, R.D., et al, [1982, p.1567-1570, eng] 39-2217
Ice crystals grown from the vapor at temperatures lower than -15 deg C. Yamashita, A., et al, [1984, p.96-103, eng] 39-3451
See also: Weather modification
- Cloud seeding generators**
See: Smoke generators
- Clouds (meteorology)**
Polarization of skylight. Bohren, C., [1984, p.261-265, eng] 39-563
Air-sea interactions over the Ross Sea in the surface boundary layer. Saxena, V.K., et al, [1983, p.241-243, eng] 39-648
Results of the Bering Sea Experiment. Kondrat'ev, K.I.A., et al, [1982, p.1-8, eng] 39-2738
See also: Hail clouds; Supercooled clouds
- Conglutination**
Applying television techniques to studying ice crystal conglutination. Kim, N.S., et al, [1984, p.96-101, rus] 39-483
- Coal**
Comparison of Stefan model with two-phase model of coal drying. Lyczkowski, R.W., et al, [1984, p.1157-1169, eng] 39-90
Improving the efficiency of mining in the north. Izakson, V.I.U., ed, [1983, 85p., rus] 39-1885
Pillarless mining under permafrost conditions. Strel'nikov, K.M., et al, [1983, p.12-21, rus] 39-1887
Dynamic loads on supports under permafrost conditions. Vikulov, M.A., [1983, p.21-26, rus] 39-1888
Mining techniques used in permafrost areas. Novikov, V.V., et al, [1983, p.44-46, rus] 39-1892
Pre-weakening perennially frozen rocks. El'chaninov, E.A., [1984, p.9-15, rus] 39-2340
Environmental impact of the Kan-Achinsk Fuel and Energy Complex. Grudinin, G.V., [1984, p.132-142, rus] 39-3345
Reloading frozen coal in the Zhdanov port. Sharapov, V.V., et al, [1984, p.6-7, rus] 39-3537
- Coastal topographic features**
Role of extreme natural processes in the development of coastal landscapes of the Sea of Okhotsk. Stepanova, L.B., [1984, p.49-53, rus] 39-671
Sea and ocean level fluctuations for 15,000 years. Kaplan, P.A., ed, [1982, 230p., rus] 39-754
Origin of "inundated shore lines" of glaciated North Atlantic shelves. Groeoval'd, M.G., [1982, p.125-133, rus] 39-757
Structures of northern sea shores. Bashlavin, D.K., et al, [1982, p.174-178, rus] 39-758
Interpretation of anomalies on spaceborne photographs of Arctic Ocean bottom. Gurevich, V.I., et al, [1984, p.94-106, rus] 39-1111
"Marine" ice cap in south Beringia. Groeoval'd, M.G., et al, [1984, p.128-146, eng] 39-1654
Beaufort Sea: background, history, and perspective. Norton, D., et al, [1984, p.3-19, eng] 39-1870
Medium-scale landscape map of the Yamal Peninsula. Kostin, V.V., et al, [1984, p.34-40, rus] 39-3000
- See also: Shoreline modification
- Coasts**
See: Shores
- Coatings**
Method for producing and storing sand coated with calcium chloride. Hamlin, R.S., et al, [1981, 4 col., eng] 39-3855
See also: Protective coatings
- Cold chambers**
Growth and evaporation of ice crystals from the vapor phase. Beckmann, W., et al, [1982, p.425-451, eng] 39-2887
- Cold storage**
Concrete structures for hazard protection. Paterson, D.K.W., [1984, p.35-37, eng] 39-474
- Cold tolerance**
Jack pine microsporangia in winter. Cecich, R.A., [1984, p.851-864, eng] 39-95
Revegetation of an alpine area. Roach, D.A., et al, [1984, p.37-43, eng] 39-603
Frost damage evaluation in seedlings of *Pinus radiata*. Greer, D.H., [1983, p.72-79, eng] 39-665
Frost hardiness of *Pinus radiata*. Greer, D.H., [1983, p.80-86, eng] 39-666
Adaptations of *Luzula confusa* to the polar semi-desert environment. Addison, P.A., et al, [1984, p.121-132, eng] 39-712
Are lichens "extremists" among plants of cold deserts. Petit, P., [1983, p.33-46, fre] 39-721
Aquatic plant growth in relation to temperature and unfrozen water content. Palazzo, A.J., et al, [1984, 8p., eng] 39-804
Antarctic ecology. Laws, R.M., ed, [1984, 850p. (2 vols.), eng] 39-1181
Terrestrial microbiology, invertebrates and ecosystems. Block, W., [1984, p.163-236, eng] 39-1184
Genetic variation in blue spruce: a test of populations in Nebraska. Van Haverbeke, D.F., [1984, 12p., eng] 39-1714
Bacterial populations of the Beaufort Sea. Atlas, R.M., et al, [1984, p.327-345, eng] 39-1883
Winter survival of perennial plants in Alaska. Klebesadel, L.J., [1985, p.21-30, eng] 39-2715
Use of radioluminescent lights for Alaskan runway lighting. Jensen, G., et al, [1984, 73p. + appendix, eng] 39-2899
Quaternary climate of East China. Nie, G., [1984, p.79-83, chi] 39-3323
See also: Acclimatization
- Cold weather concreting**
See: Winter concreting
- Cold weather construction**
Cold weather construction, Alaska. [1984, 4 parts, eng] 39-139
Prudhoe Bay Waterflood Project: Environmental monitoring program 1983. [1984, 3 vols., eng] 39-154
Arctic technology research projects in Finland. Laiho, L., [1984, 60p., eng] 39-233
Cold regions engineering in Norway. Flaate, K., [1983, p.5-6, eng] 39-312
What to do with concrete in cold weather. Randall, F.A., Jr., [1984, p.789-795, eng] 39-655
Highway pavement condition inventory in Alaska. Brawner, A., [1984, 2p., eng] 39-733
Foundations for single-family houses. Torgersen, S.E., [1984, p.33-49, nor] 39-735
Construction of large panel buildings in freezing weather. Shishkin, A.A., [1984, p.18-19, rus] 39-831
Arctic concrete technology. Kivekka, L., et al, [1984, 149p., fin] 39-1023
Frozen ground engineering. Phukan, A., [1985, 336p., eng] 39-1121
Process industries in Alaska. Downey, R.J., [1982, p.196-198, eng] 39-1244
Comparative analysis of the USSR construction codes and the US Army technical manual for design of foundations on permafrost. Fish, A.M., [1982, 20p., eng] 39-1267
Computer program for cold weather construction bibliography. Craig, J.L., [1984, 238p., eng] 39-1423
Composite construction shows promise for Arctic platforms. [1984, p.74-75, eng] 39-1585
Offshore concrete structures in the Arctic: research needs. Carino, N.J., [1984, 56p., eng] 39-1716
Some characteristics of welds in steels used in Arctic offshore structures and ships. Blakesley, P., et al, [1984, 16p. + figs., eng] 39-1850
Deployment of Beaudril Molikpak at Tarsut. Jefferies, M.G., et al, [1984, 32p. + figs., eng] 39-1854
AANBUS: the creation of a building system for Antarctica. Incoll, P., [1980, var. p., eng] 39-2111
Evaluation of rock anchors for use in Antarctica. Taylor, P.T., et al, [1980, c65 leaves, eng] 39-2112
Review of ground anchor tests and procedures. [1984, 23 leaves, eng] 39-2114
Ground anchor design guidelines. [1984, 15 leaves, eng] 39-2115
Design of the cladding system for use on antarctic projects. [1984, 39p., eng] 39-2116
- Construction of deep pile foundations in permafrost in the USSR—a summary. Sadovskii, A.V., [1984, p.186-187, eng] 39-2153
Power plant installation manual for Australian antarctic stations. [1981, n.p., eng] 39-2190
Proposal for rebuilding Australian antarctic stations. [1981, 24p. + attachments, eng] 39-2191
Rebuilding Australia's antarctic stations. [1981, 15p., eng] 39-2192
Casey domestic building, Vol.1. [1982, var. p., eng] 39-2229
Manual for Australian antarctic utilities, bridges, and supports. [1982, var. p., eng] 39-2230
Halon fire protection system for store buildings. [1982, var. p., eng] 39-2231
Australian antarctic building system data sheets. [1984, var. p., eng] 39-2233
Casey old station site plan, Issue No.2. Banhidly, J., [1984, 1 sheet, eng] 39-2242
Casey site plan, Issue No.4. Banhidly, J., [1984, 1 sheet, eng] 39-2243
Mawson site plan, Issue No.3. Banhidly, J., [1984, 1 sheet, eng] 39-2244
Davis site plan, Issue No.4. Banhidly, J., et al, [1984, 1 sheet, eng] 39-2245
Base underfilling for Arctic platforms. Buslov, V.M., et al, [1985, p.389-396, eng] 39-2438
Ice forces on rigid, vertical, cylindrical structures. Sodhi, D.S., et al, [1984, 36p., eng] 39-2515
Runway construction at Molodetzhnaya Station. Aver'ianov, V.G., et al, [1983, p.99-105, eng] 39-2600
Runway at Rodolfo Marsh Martin Station. Carvajal, E.M., [1983, p.144-155, eng] 39-2610
Landing strip site survey on Greenwich Island. Alarcon, B., et al, [1983, p.156-194, eng] 39-2611
Rebuilding of Australia's 3 antarctic stations, Parts 1-3. Gosbell, K.B., et al, [1983, p.214-273, eng] 39-2616
Support of construction activities during rebuilding of Australia's antarctic stations. Holmes, I.E.B., [1983, p.274-279, eng] 39-2617
Concreting practices at Australian antarctic stations. McEwan, R., et al, [1983, p.280-287, eng] 39-2618
New design concept for Halley Station. Smith, A., [1983, p.316-325, eng] 39-2620
Construction and reconstruction of scientific stations in the Antarctic. Korotkevich, E.S., et al, [1983, p.326-337, eng] 39-2621
Technical concepts of the antarctic stations Georg-Von-Neumayer and Filchner of the Federal Republic of Germany. Mannhardt, S., [1983, p.338-347, eng] 39-2622
Floor-elevated summer quarters at Syowa Station. Hannuki, T., et al, [1983, p.348-353, eng] 39-2623
Laboratory base for geophysical observations. Germandt, H., et al, [1983, p.354-358, eng] 39-2624
Safer, more practical and comfortable Chilean bases. Araya F., M., et al, [1983, p.366-381, eng] 39-2625
Fire equipment—sprinkler system. Varcoe, G., [1983, p.382-384, eng] 39-2626
Scott Base rebuilding programme. Varcoe, G., [1983, p.399-405, eng] 39-2627
Structural engineering in Arctic regions. Juppunen, P., [1984, p.35-48, eng] 39-2688
Snow and ice effects on structures. Booth, R.L., [1984, p.127-138, eng] 39-2689
Arctic house. Nottingham, D., et al, [1984, p.8-11, eng] 39-2760
Building the Alaska highway: political background. Naake, C.M., [1984, p.25-35, eng] 39-2763
Concrete under arctic conditions. Kivekka, L., et al, [1985, 53p. + appendix, eng] 39-2832
Cold weather construction of concrete masonry walls. Hatzinikolas, M., et al, [1984, p.566-571, eng] 39-2872
Technical considerations for Beaufort Sea pipelines. Weidler, J.B., et al, [1985, p.774-782, eng] 39-3222
Proposal of snow tunnel construction for subsurface observation. Hannuki, T., et al, [1985, p.120-130, jpn] 39-3607
Winter construction related to land reclamation. [1985, p.26-28, rus] 39-3873
- Cold weather operation**
Heaters for vehicles and aircraft in Arctic environments. [1981, c100p., eng] 39-569
Hot pipeline production during seasonal underloading. Garria, N.A., [1984, p.53-55, rus] 39-798
Predicting optimal service life of quarry excavators under conditions of the North. Makhno, D.E., et al, [1984, p.92-95, rus] 39-800
Winter research. [1982, p.59-65, eng] 39-951
Snowmobiles as utility vehicles in the Arctic. Poole, P.J., [1982, 134p., eng] 39-998
Storage of automobiles in parking lots at low temperatures. Kramarenko, G.V., et al, [1984, 136p., rus] 39-1237
Winter maintenance of signaling, interlocking and blocking devices in winter. Shtul'man, M.A., et al, [1984, 72p., rus] 39-1239
Operation of Polar I and Polar II in Antarctica, 1983/84. Kohnen, H., [1984, p.144-148, ger] 39-1611
Arctic Offshore Technology Conference, 1984. [1984, var.p., eng] 39-1845

- Caisson Retained Island (CRI) the first year of operation. Comyn, M.I., (1984, 12p., eng) 39-1847
- Some aspects of the Naval Architecture of Arctic structures and vessels. Hatfield, P.S., (1984, 7p., eng) 39-1851
- Environmental and performance monitoring for offshore Arctic exploration structures. Dixit, B.C., et al, (1984, 10p. + figs., eng) 39-1856
- Thermal design aspects of a mobile Arctic drilling platform. Richardson, D.W., et al, (1984, 14p. + figs., eng) 39-1857
- Winterized construction equipment. Miller, R.D., (1984, p.14-16, eng) 39-2480
- Proceedings of the 3rd Symposium on Antarctic Logistics, 1982. (1983, 634p. in 3 vols., eng) 39-2591
- Tank thermal image suppression by insulation of the crew compartment and crew heaters exhaust. Todeschi, M., (1984, p.357-370, eng) 39-2974
- XM-836 (SADARM) winter sensor tests. Grayling, Michigan. Bauerle, D.G., (1984, p.375-377, eng) 39-2975
- 3 to 5 micron staring array sensor performance in a cold background and against obscurants. Lamboley, W.R., et al, (1984, p.391-395, eng) 39-2977
- Arctic offshore site investigations. Stangl, K.O., et al, (1985, p.111-121, eng) 39-3166
- Cold weather performance**
- Performance of mechanical equipment of hydroelectric power plants under northern conditions. Martenson, V.I.A., (1984, p.31-34, rus) 39-894
- Snowmobiles as utility vehicles in the Arctic. Poole, P.J., (1982, 134p., eng) 39-998
- Materials and design of technical equipment for the North. Urzhumtsev, I.U.S., ed, (1984, 85p., rus) 39-1112
- Automobile performance in very cold climate. Ishkov, A.M., et al, (1984, p.59-64, rus) 39-1115
- Domestic waste treatment in the Canadian Arctic. (1981, 115p., eng) 39-1229
- Storage of automobiles in parking lots at low temperatures. Kramarenko, G.V., et al, (1984, 136p., rus) 39-1237
- Shallow snow model for predicting vehicle performance. Harrison, W.L., (1981, 21p., eng) 39-1261
- Using electronic measurement equipment in winter. Atkins, R.T., (1981, 7p., eng) 39-2092
- Materials for tension leg platform tethers. Akahide, K., et al, (1985, p.351-356, eng) 39-2435
- Australian experience with tractors and tracked carriers. Holmes, I.E.B., (1983, p.78-85, eng) 39-2596
- Air cushion vehicle performance at Shova Station. Moriwaki, K., et al, (1983, p.127-128, eng) 39-2604
- SANAE off road equipment vehicle. Nel, J.G., (1983, p.129-130, eng) 39-2605
- Motorized toboggans. Clark, N., (1983, p.200-205, eng) 39-2613
- Cold weather survival**
- Survival in Antarctica, 1984 edition. (1984, 101p., eng) 39-254
- Safety and survival on polar expeditions. Kohnen, H., comp, (1983, 36p. + Addendum 1, July 1984, eng) 39-283
- Snowcraft/survival school: learning to work in Antarctica. Lasorsa, D.P., et al, (1984, p.5-9, eng) 39-378
- Polar clothing from a thermophysiological viewpoint. Schrader, G., (1983, p.103-106, ger) 39-789
- Survival systems in Arctic conditions. Seligman, B., (1984, 6p., eng) 39-1868
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- Winter survival of perennial plants in Alaska. Klebesadel, L.J., (1985, p.21-30, eng) 39-2715
- Cold weather tests**
- JSE Brabant Island 1983-85. (1984, 30p., eng) 39-286
- Military cold region tests of mortars. Hudgens, R.C., et al, (1980, 87p. + appenda., eng) 39-568
- Steels and welds under loadings at low temperature. Urabe, N., et al, (1984, p.473-479, eng) 39-1050
- Procedure for testing polycrystalline ice in uniaxial tension. Lee, R.W., et al, (1984, p.246-247, eng) 39-1684
- Wind-induced vibration of aboveground Arctic pipelines. Hanegger, D.G., et al, (1985, p.646-652, eng) 39-2386
- Colored ice**
- Exploration for meteorite concentrations in the Thiel Mountains/Pecora Escarpment region, 1982-1983. Schutt, J., et al, (1983, p.83-86, eng) 39-2
- Satellite glaciology project. Williams, R.S., Jr., et al, (1983, p.119-121, eng) 39-15
- Forecasting snow and black ice growth from temperature and precipitation. Bengtsson, L., (1984, p.173-185, eng) 39-1766
- Communication cables**
- See: Transmission lines
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- See: Radio communication; Telecommunication
- Compaction**
- See: Snow compaction; Soil compaction
- Composition**
- See: Chemical composition
- Compressive properties**
- Mechanical properties of Dye 3 Greenland deep ice cores. Azuma, N., et al, (1984, p.1-8, eng) 39-163
- Compressive strength of frozen silt. Zhu, Y., et al, (1984, p.3-15, eng) 39-327
- Investigation of the failure envelope of granular/discontinuous-columnar sea ice. Timco, G.W., et al, (1984, p.17-27, eng) 39-328
- Mechanical properties of multi-year sea ice. Testing techniques. Mellor, M., et al, (1984, 39p., eng) 39-382
- Peculiarities of thawing ground compression under dynamic loads. Inozemtsev, V.K., (1984, p.148, rus) 39-920
- Effect of grain size on the compressive strength of ice. Schulson, E.M., et al, (1984, p.29-38, eng) 39-1753
- Procedure to account for machine stiffness in uni-axial compression tests. Timco, G.W., et al, (1984, p.39-47, eng) 39-1754
- Creep of simulated pressure ridge granular ice. Nadreau, J.P., et al, (1984, p.49-61, eng) 39-1755
- New testing technique of ice strength in compression and bending. Khrapatyf, N., et al, (1984, p.83-91, eng) 39-1758
- Crushing ice forces on cylindrical structures. Morris, C.E., et al, (1984, p.1-9, eng) 39-1787
- Determination of compressive strength of sea ice by using an ultrasonic pulse. Saeki, H., et al, (1984, p.339-348, eng) 39-1815
- Strength and modulus of ice from pressure ridges. Cox, G.F.N., et al, (1985, p.93-98, eng) 39-2082
- Structure and the compressive strength of ice from pressure ridges. Richter, J.A., et al, (1985, p.99-102, eng) 39-2083
- Laws governing the compaction of thawing soils taking dynamic processes into effect. Karlov, V.D., et al, (1984, p.231-235, eng) 39-2163
- Some aspects of antarctic engineering. Retamal, E., (1984, p.147-159, spa) 39-2193
- Grain size and the compressive strength of ice. Cole, D.M., (1985, p.220-226, eng) 39-2416
- Uni-axial constitutive equation of ice from beam tests. Xirouchakis, F.C., et al, (1985, p.238-243, eng) 39-2419
- Compressive strength of pressure ridge ice samples. Richter-Menge, J.A., et al, (1985, p.465-475, eng) 39-3196
- Triaxial compression testing of ice. Cox, G.F.N., et al, (1985, p.476-488, eng) 39-3197
- Constitutive equations for ice as a damaging material. Karr, D.G., (1985, p.908-916, eng) 39-3230
- Spalling and buckling of ice sheets. Wierzbicki, T., (1985, p.953-961, eng) 39-3234
- Pressure ridge strength in the Beaufort Sea. Weeks, W.F., (1985, p.167-172, eng) 39-3284
- Uniaxial ice compressive strength. Wang, Y.S., et al, (1981, 2 vols., eng) 39-4001
- See also: Snow compression
- Computer applications**
- Problem of establishing a data bank for glaciers. Grakovich, V.F., et al, (1984, p.133-142, rus) 39-304
- Computer model of the tidal phenomena in Cook Inlet, Alaska. Carlson, R.F., et al, (1972, 69p., eng) 39-2635
- Computer programs**
- Computer processing of electrical sounding data of permafrost. Dmitriev, A.G., et al, (1984, p.189-190, rus) 39-925
- Orographic snowfall rate model for Alta, Utah. Todd, S.K., et al, (1981, 11p., eng) 39-1338
- Computer program for cold weather construction bibliography. Craig, J.L., (1984, 238p., eng) 39-1423
- Computerized simulation**
- Polar ice sheets: developments since Wegener. Robin, G. de Q., (1981, p.648-663, eng) 39-1532
- Modeling cryogenic physical-geological processes. Grechishchev, S.E., et al, (1984, 230p., rus) 39-1907
- Anthelic arcs from airborne ice crystals. Greenler, R.G., et al, (1984, p.339-343, eng) 39-2356
- Concrete admixtures**
- Activated hardening of cements. Svatovskaia, L.B., et al, (1983, 161p., rus) 39-892
- Construction of concrete ships and floating docks. Miahutin, V.A., (1984, p.36-38, rus) 39-1082
- Construction of small and medium size bridges with all-sectional columnar supports. Blinkov, L.S., (1984, p.20-21, rus) 39-1168
- Winter concreting with the use of antifreeze admixtures. Logaida, A.V., (1984, p.23-26, rus) 39-1551
- Using sulfate liquors in paper-cellulose combines as concrete admixtures. Cherkasova, L.A., et al, (1984, p.23-24, rus) 39-1559
- Concrete admixtures. Kuntsevich, O.V., (1984, p.25-26, rus) 39-1643
- High-strength perlite-silicate concretes with plasticizing admixtures. Paturoev, V.V., et al, (1984, p.66-68, rus) 39-1981
- Utilization of mineral wastes in the production of construction materials in the Leningrad region. Chistiakov, B.Z., et al, (1984, 151p., rus) 39-2072
- Chemical admixtures for concretes. Gladkov, V.S., (1985, p.18-19, rus) 39-2077
- Fine and very fine sands for concrete. Sheinin, A.M., et al, (1985, p.22-24, rus) 39-2078
- Empirical formula for calculating frost resistance of concrete. Lazarev, A.D., (1983, p.86-91, rus) 39-2374
- Concreting practices at Australian antarctic stations. McEwan, R., et al, (1983, p.280-287, eng) 39-2618
- Waterproofing mix in concrete for protecting bridges against corrosion. (1982, p.12, eng) 39-2727
- Concretes with combined admixtures for engineering structures. Khazanov, M., (1984, p.46-48, rus) 39-3301
- Corrosion of steel in concretes containing antifreeze sodium chloride admixtures. Rozental', N.K., et al, (1985, p.126-129, rus) 39-3545
- Chemical admixture for concretes. Osatki, L.G., et al, (1984, p.19-20, rus) 39-3733
- Concrete used in construction of the Baykal tunnel. Kasapov, R.I., et al, (1984, p.17-19, rus) 39-3876
- Anti-icing additive to red mud for road construction. Bayer, G., et al, (1984, 4 col., ger) 39-4012
- Fly ash, silica fume, slag and other mineral by-products in concrete. (1983, 1182p. (2 vols.), eng) 39-4064
- Concrete aggregates**
- Shungite-cellular concretes for the North. IAsin, I.U.D., et al, (1984, p.15-16, rus) 39-792
- Concrete from crushed Jurassic limestone. Collins, R.J., (1983, p.127-138, eng) 39-810
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- Physical characteristics of some Indiana argillaceous carbonates regarding their freeze-thaw resistance in concrete. Shakoor, A., et al, (1982, p.371-384, eng) 39-1354
- Rheological properties of concrete mixtures subjected to percussion-vibration. Falvusovich, A.S., et al, (1984, p.68-71, rus) 39-1982
- Fine and very fine sands for concrete. Sheinin, A.M., et al, (1985, p.22-24, rus) 39-2078
- Frost resistant reinforced concrete for bridges. Borisov, V.V., et al, (1985, p.24-25, rus) 39-2879
- Concreting practices at Australian antarctic stations. McEwan, R., et al, (1983, p.280-287, eng) 39-2618
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- Freeze thaw resistance of concrete containing slag. Murata, J., et al, (1982, p.999-1005, eng) 39-4068
- Concrete curing**
- Evaluation of chemical concrete for antarctic ground anchors; interim report. Taylor, P.T., (1982, 7 leaves, eng) 39-2113
- Cold-mix asphalt technology temperatures below 10 C. Jarrett, P.M., et al, (1984, 3 refs., eng) 39-4026
- Concrete durability**
- Activated hardening of cements. Svatovskaia, L.B., et al, (1983, 161p., rus) 39-892
- Arctic concrete technology. Kivekäs, L., et al, (1984, 149p., fin) 39-1023
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- Physical characteristics of some Indiana argillaceous carbonates regarding their freeze-thaw resistance in concrete. Shakoor, A., et al, (1982, p.371-384, eng) 39-1354
- Chloride and freeze thaw deterioration of hardened cement. Fujii, T., et al, (1984, p.209-217, jpn) 39-2489
- Structural engineering in Arctic regions. Jumppanen, P., (1984, p.35-48, eng) 39-2688
- Mortar in historic buildings. Perander, T., et al, (1985, 48p. + appenda., fin) 39-2839
- Microsilica concrete: properties and applications. Radjy, F.F., et al, (1985, p.680-688, eng) 39-3215
- Air-entrained concrete durability to freezing and thawing. (1985, p.351-353, eng) 39-3283
- Protection of concrete pavements from degradation due to salting. (1968, 2p., fre) 39-3976
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- Fly ash, silica fume, slag and other mineral by-products in concrete. (1983, 1182p. (2 vols.), eng) 39-4064
- Freeze thaw tests of concrete exposed to deicing chemicals. Sorensen, E.V., (1982, p.709-718, eng) 39-4065
- Freeze thaw resistance of concrete. Virtanen, J., (1982, p.923-931, eng) 39-4066
- Freeze thaw resistance of concrete containing slag. Murata, J., et al, (1982, p.999-1005, eng) 39-4068
- Concrete freezing**
- Proceedings, Vol.2. Engineering mechanics in civil engineering. (1984, p.735-1547, eng) 39-108
- Microcracking of concrete submitted to premature freezing. Houde, J., (1984, p.1424-1427, eng) 39-1113

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- High frost-resistance concretes for construction in the Far North. Kuntsevich, O.V., (1983, 131p., rus) 39-222
- What to do with concrete in cold weather. Randall, F.A., Jr., (1984, p.789-795, eng) 39-653
- Effect of freezing concrete at early ages. Schrader, E.K., III, (1984, p.821-822, eng) 39-656
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- Device for heating monolith concrete. Grebnev, M., (1984, p.12, rus) 39-1561
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- Properties of concrete made with alinite-portland-cements. Mironov, S.A., et al, (1984, p.22-23, rus) 39-1550
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- Construction of cast-in-place piles in permafrost. Maksimov, G.N., (1984, p.20-22, rus) 39-3310
- Concrete heating**
- Road surface deicing device. Cox, S.M., (1976, 2 col. + figs., eng) 39-3849
- Concrete pavements**
- Winter maintenance of roads in eastern Siberia. Maevskii, A.A., (1984, p.53-58, rus) 39-418
- Salt action on concrete. Sayward, J.M., (1984, 69p., eng) 39-1046
- Environmental influences on engineering structures of the Berlin freeway. Weber, D., (1982, p.107-113, ger) 39-3969
- Protection of concrete pavements from degradation due to salting. (1968, 2p., fre) 39-3976
- Penetration of deicing agents in cement pastes. Collepardi, M., et al, (1972, p.143-150, ita) 39-3977
- Concrete piles**
- Single-pile foundations for industrial objects. Nakonechnyi, N.I., et al, (1984, p.23-25, rus) 39-1033
- Foundations for power line supports. Solodovnik, V.I.A., et al, (1984, p.22-25, rus) 39-1340
- Using collar beams when fixing one-column reinforced concrete supports. Budanov, V.G., (1984, p.38-39, rus) 39-1345
- Screw anchor concrete piles for power lines in permafrost. Elenbogen, G.N., et al, (1985, p.39-41, rus) 39-2845
- Fastening overhead line supports with screw anchors. Kurnosov, A.I., et al, (1985, p.41-44, rus) 39-2846
- Cap-pile foundations for low-rise buildings. Mianiankin, A., (1984, p.14-15, rus) 39-3300
- Construction of cast-in-place piles in permafrost. Maksimov, G.N., (1984, p.20-22, rus) 39-3310
- Economical foundations for country cottages. Anufriev, L.N., et al, (1985, p.12-13, rus) 39-3736
- Performance of piles in clay soils under draw-out stresses. Novakii, A.V., (1985, p.106-108, rus) 39-3751
- Concrete placing**
- Overcoming difficulties of construction in permafrost areas. Vasil'ev, V.A., et al, (1984, p.12-13, rus) 39-1164
- Organization of bridge construction in the western section of the BAM. Rasskazov, I.D., et al, (1984, p.17-19, rus) 39-1167
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- Concreting at low sub-zero temperatures. Zinchenko, N.A., (1985, p.52-55, rus) 39-2732
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- Evaluation of concrete cores from Waterbury Dam, Waterbury, Vermont. Pace, C.E., et al, (1982, 61p., eng) 39-1511
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- Concrete space frame applied to an Arctic M.O.D.U. Richard, P., et al, (1985, p.1157-1165, eng) 39-3250
- Construction of cast-in-place piles in permafrost. Maksimov, G.N., (1984, p.20-22, rus) 39-3310
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- Reinforced concrete panels for building construction in cold areas. Pavlovskaya, G., (1984, p.6-7, rus) 39-432
- Concrete structures for hazard protection. Paterson, D.K.W., (1984, p.35-37, eng) 39-474
- Bridge construction on icebound river. Rasskazov, I.D., et al, (1984, p.10-11, rus) 39-474
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- Shear stresses at metal-concrete and concrete-ground interfaces. Kolin, D.I., et al, (1984, p.27-28, rus) 39-1170
- The Osetrovsk River port in the North. Tolmachev, R.A., (1984, p.28-30, rus) 39-1171
- API bulletin on planning, designing, and constructing fixed offshore structures in ice environments. (1982, 49p., eng) 39-1383
- New arctic mobile rig design completed. (1984, p.84, eng) 39-1525
- Hybrid designed for shallow Arctic operations. (1984, p.106, eng) 39-1526
- Estimating the service life of reinforced concrete structures at low temperatures. Guzeev, E.A., et al, (1984, p.9-10, rus) 39-1558
- Composite construction shows promise for Arctic platforms. (1984, p.74-75, eng) 39-1585
- Seepage and thermal regime of concrete-earth junctions. Gorokhov, E.N., et al, (1984, p.45-46, rus) 39-1595
- Offshore concrete structures in the Arctic: research needs. Carino, N.J., (1984, 56p., eng) 39-1716
- Large-block concrete residential buildings. Atzenberg, G.B., et al, (1984, p.14-16, rus) 39-1834
- Design, construction and deployment of a concrete island drilling system the Glomar Beaufort Sea I. Wetmore, S.B., et al, (1984, 39p., eng) 39-1848
- Interview with official of the Soviet ministry of the petroleum industry. Kliuchnikova, L.P., (1985, p.6-8, rus) 39-2825
- Chemical admixtures for concretes. Gladkov, V.S., (1985, p.18-19, rus) 39-2877
- Construction and quality assurance for super-CIDS. LaFrough, R.W., et al, (1985, p.98-104, eng) 39-2401
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- Shore roads for Siberian rivers. Dubin, A.A., (1985, p.24-25, rus) 39-3121
- Failure modes in concrete structures due to ice load. Iding, R.H., et al, (1985, p.643-652, eng) 39-3212
- Response of concrete shell panels to simulated impact. Arockiasamy, M., et al, (1985, p.653-670, eng) 39-3213
- Fatigue damage for reinforced concrete offshore structures. Shah, S.P., (1985, p.671-679, eng) 39-3214
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- Protecting pavement or concrete materials against the effects of the destructive action of freezing and thawing of water or brine solutions. Hansen, C.N., (1978, 24 col., eng) 39-3852
- Concretes**
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- See also: Bituminous concretes; Lightweight concretes; Reinforced concretes
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- Irreversible condensation conditions near the cryosurface. Sekulić, D.P., (1985, p.1205-1214, eng) 39-4021
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- On the conduction band energy of ice. Grand, D., et al, (1983, p.119-122, eng) 39-1064
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- Winter freight traffic in northern areas. Maslennikov, N., (1984, p.5-6, rus) 39-428
- Operation and maintenance of open-pit excavators under conditions of the North. Makhno, D.E., (1984, 133p., rus) 39-645
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- Improving shaft sinking by artificial freezing of ground. Shparber, P.A., (1984, p.6-8, rus) 39-822

- Using liquid nitrogen in artificial freezing of rocks. Vial'tsev, M.M., et al, (1984, p.21-22, rus) 39-823
- Loading shovels for frozen ground. Beliakov, I.U.I., et al, (1984, p.9-11, rus) 39-854
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- Materials and design of technical equipment for the North. Urzhumtsev, I.U.S., ed, (1984, 85p, rus) 39-1112
- Mechanization of tunneling. Kogan, V.Z., (1984, p.22-25, rus) 39-1169
- Design and construction equipment for BAM area problems. Shmakov, V.P., (1984, p.31-35, rus) 39-1257
- Equipment designed for land reclamation. Meshkov, V.M., (1984, p.24-27, rus) 39-1347
- Baykal Amur railroad at the last stage of construction. Mokhortov, K.V., (1984, p.29-38, rus) 39-1409
- Tunnels of the BAM. Bessolov, V.A., et al, (1984, p.38-44, rus) 39-1410
- Soil compaction by impact. Fedulov, A.I., et al, (1983, 118p, rus) 39-1442
- Technical servicing of construction equipment. Baryshev, O.A., (1984, p.123-126, rus) 39-2076
- Winterized construction equipment. Miller, R.D., (1984, p.14-16, eng) 39-2480
- Support of construction activities during rebuilding of Australia's antarctic stations. Holmes, I.E.B., (1983, p.274-279, eng) 39-2617
- Earthwork equipment used at different soil freezing depths. Meshkov, V.M., (1985, p.5-7, rus) 39-2733
- Construction equipment for winter concreting. Krasnovskii, B.M., (1985, p.11-13, rus) 39-3103
- Landscape-ecological approach to the optimization of natural complexes affected by technology. Motorina, L.V., (1985, p.12-23, rus) 39-3627
- Efficiency of single-bucket excavators in relation to their operation conditions. Rysenkov, A.M., et al, (1985, p.22-23, rus) 39-3747
- Mobile complex of equipment for small construction jobs. (1984, p.30-31, rus) 39-3878
- Construction materials**
- Aerial photographic interpretation of coarse-grained till. Viberg, L., (1984, p.15-16, eng) 39-146
- Frost heaving of multigraded soils. Johansson, H.G., (1984, p.95-98, eng) 39-147
- Production of road construction material from till. Knutz, A., (1984, p.99-100, eng) 39-148
- Thermal insulation and materials. Govan, F.A., ed, (1983, 893p, eng) 39-219
- Compacted snow as a pavement material for runway construction. Russell-Head, D.S., et al, (1984, p.231-247, eng) 39-400
- Using liquid nitrogen in artificial freezing of rocks. Vial'tsev, M.M., et al, (1984, p.21-22, rus) 39-823
- Foundations of light-weight buildings on permafrost. Gerasimov, A.S., (1984, 152p, rus) 39-955
- Frost resistance of polymers. Starzhetskaiia, T.A., et al, (1984, p.49-54, rus) 39-1113
- Adfreezing of plastic plate supports to snow. Igoshin, V.A., et al, (1984, p.54-58, rus) 39-1114
- Towns and villages along the BAM. Sukhanov, N.V., (1984, p.32-35, rus) 39-1172
- Utilization of mineral wastes in the production of construction materials in the Leningrad region. Chistiakov, B.Z., et al, (1984, 151p, rus) 39-2072
- New high-toughness materials and large heat-input welding processes for offshore structures. Fukagawa, M., et al, (1985, p.373-380, eng) 39-2436
- Arctic earth materials for offshore construction in Alaska. Schlegel, M.G., et al, (1985, p.524-540, eng) 39-3202
- Organization of mobile supply units for northern construction. Shilamin, V.A., (1985, p.21-23, rus) 39-3309
- Arctic materials. Oshima, M., et al, (1985, p.93-95, eng) 39-3334
- Anti-icing additive to red mud for road construction. Bayer, O., et al, (1984, 4 col., ger) 39-4012
- Building materials and acid precipitation. Merry, C.J., et al, (1985, 40p, eng) 39-4054
- See also specific types of materials
- Construction sites**
- See: Site surveys
- Containers**
- See: Tanks (containers)
- Continental ice**
- See: Land ice
- Continental shelves**
- Glacial erosion of continental margins. Grosval'd, M.G., et al, (1984, p.113-127, eng) 39-1653
- Shelf-drilling rig for the Arctic. Savchenko, A., (1985, p.31, rus) 39-3404
- Glaciation of the continental shelves (Part I). Grosval'd, M.G., (1984, p.194-258, eng) 39-3884
- Continuous permafrost**
- Microzymes in soils of an Arctic tundra ecosystem. Bab'eva, E.N., et al, (1983, p.71-74, rus) 39-221
- Subsurface-drainage taliks and related water phenomena. Borisov, V.V., (1984, p.78-82, rus) 39-441
- Hydrochemistry of rivers and lakes in the Buryat ASSR. Oboshin, V.N., et al, (1984, 151p, rus) 39-482
- Cryogenic relief-forming processes in the Upper Barguzin River basin. Vyryin, V.B., (1984, p.47-51, rus) 39-838
- Radiation balance of typical terrain units in the low Arctic. Rouse, W.R., et al, (1983, p.538-549, eng) 39-863
- Methods of geochemical exploration used in northern Siberia. Polikarpochkin, V.V., ed, (1984, 177p, rus) 39-1190
- Peculiarities of geochemical exploration in northern Siberia. Polikarpochkin, V.V., (1984, p.11-18, rus) 39-1191
- Exploration of dispersion streams under permafrost conditions. Gundobin, G.M., et al, (1984, p.102-108, rus) 39-1201
- Town beyond the polar circle and its environment. Gorbacheva, V.M., (1984, 99p, rus) 39-2241
- All-Union conference on adaptation of organisms to the Arctic environment, Tallin, Nov. 27-30, 1984. Proceedings. (1984, 212p, rus) 39-2639
- Adaptation of legumes to the Far North. Grunina, L.K., (1984, p.40-43, rus) 39-2643
- Historical trends in vegetation zonality of the Central Siberian Plateau. Vodop'ianova, N.S., (1984, p.93-106, rus) 39-3008
- Economic development of lands under permafrost conditions. Gavril'ev, P.P., (1984, p.20-34, rus) 39-3022
- Problems of accelerated construction of roadbeds in polar areas. Freidin, I.A.I., (1985, p.9, rus) 39-3113
- Cryogenic migration of chemical elements in the upper Yana River area. Kokin, A.V., (1985, p.40-50, rus) 39-3355
- Mechanical, fluvial and biogenic migration of gold in permafrost. Talshev, T.T., et al, (1985, p.61-70, rus) 39-3357
- Predictions concerning petroleum presence in the Tunguska River basin. Bukaty, M.B., et al, (1985, p.78-99, rus) 39-3359
- Ecosystems affected by technology: their organization and functioning. Titianova, A.A., ed, (1985, 136p, rus) 39-3625
- Convection**
- Subglacial heating of water in icebound lakes. Petrov, M.P., (1984, p.88-92, rus) 39-914
- Thermal convection in ice sheets: we look but do not see. Hughes, T., (1985, p.39-48, eng) 39-3723
- Computation of porous media natural convection flow and phase change. O'Neill, K., et al, (1984, p.213-229, eng) 39-3981
- Cooling**
- Ice formation between two cooled parallel plates. Seki, N., et al, (1984, p.498-505, eng) 39-232
- Laboratory tests and analysis of thermosyphons with inclined evaporator sections. Zarling, J.P., et al, (1985, p.31-37, eng) 39-2392
- Heating and cooling method for measuring thermal conductivity. McGraw, R.W., (1984, 8p, eng) 39-3902
- See also: Liquid cooling; Thermopiles
- Cooling rate**
- Duration of the freezing of bodies with variable temperature of the medium. Koval'kov, V.P., (1984, p.78-84, eng) 39-352
- Cooling towers**
- How to control ice formation on natural-draft cooling towers. Adams, T.A., Jr., (1983, p.45-47, eng) 39-409
- Cooperation**
- See: International cooperation
- Core analysis**
- See: Drill core analysis
- Core samplers**
- Detection of gas hydrate horizons in World Ocean. Ginsburg, G.D., et al, (1984, p.141-158, rus) 39-3058
- Freezing device for sampling the sediment-water interface of lakes. Pachur, H.-J., et al, (1984, p.65-70, eng) 39-3389
- Technical design of core drilling. Mikhailova, N.D., (1985, 200p, rus) 39-3687
- See also: Ice coring drills
- Cores**
- See: Ice cores
- Coring**
- Technical design of core drilling. Mikhailova, N.D., (1985, 200p, rus) 39-3687
- Corrosion**
- Salt action on concrete. Sayward, J.M., (1984, 69p, eng) 39-1046
- Corrosion of carbon steel weldments in permafrost. King, R.J., (1983, n.p., eng) 39-1447
- Bibliography on pipeline insulation and corrosion. (1983, 81p, eng) 39-1515
- Rain/snow impact erosion of high velocity projectile. Hong, Y.S., (1980, p.2-8, kor) 39-1723
- Materials for tension leg platform tethers. Akahide, K., et al, (1985, p.351-356, eng) 39-2435
- Waterproofing mix in concrete for protecting bridges against corrosion. (1982, p.12, eng) 39-2727
- Corrosion of steel in concretes containing antifreeze sodium chloride admixtures. Rozental', N.K., et al, (1985, p.126-129, rus) 39-3545
- Method of protecting pavement from corrosive salts and an impermeable pavement membrane and pavement overlay for use in said method. Kietzman, J.H., et al, (1975, 16 col., eng) 39-3848
- Method to inhibit corrosive effect of MgCl₂ solutions. Kloth, H., et al, (1980, 3p, ger) 39-3974
- Cosmic dust**
- Investigations of cosmic dust in the antarctic shelf ice. Thiel, K., (1985, p.104-112, ger) 39-2813
- Cost analysis**
- Settlement and regional planning for the North. Miakinenkov, V.M., (1983, 115p, rus) 39-646
- Are antarctic icebergs towable. Orheim, O., (1984, p.36-38, eng) 39-1204
- Countermeasures**
- Reducing frost heave. Baker, G.C., et al, (1984, p.10-15, eng) 39-81
- Protection from avalanche damage in Japan. Kurashima, O., (1984, p.129-138, jpn) 39-776
- See also specific types of countermeasures
- Crack propagation**
- Crack extension acoustic emission during fatigue crack growth. Kim, C.J., et al, (1984, p.349-353, eng) 39-625
- Crack propagation in ice. Hamza, H., (1984, p.1-17, eng) 39-1751
- High altitude rock weathering processes. Whalley, W.B., (1984, p.365-373, eng) 39-2312
- Technological strength of welded joints at low temperatures. Sleptsov, O.I., (1984, 102p, rus) 39-2572
- Theoretical model of the fracture of rock during freezing. Walder, J., et al, (1985, p.336-346, eng) 39-3097
- Cracking (fracturing)**
- Microcracking of concrete submitted to premature freezing. Houde, J., (1984, p.1424-1427, eng) 39-113
- Embrittlement of welds. Solomon, H.D., (1983, p.525-599, eng) 39-1448
- Evaluation of concrete cores from Waterbury Dam. Waterbury, Vermont. Pace, C.E., et al, (1982, 61p, eng) 39-1511
- Temperature effects on tunnel linings. Silvestrov, S., et al, (1984, p.10-11, rus) 39-1562
- Asphalt revetments for slope protection in the Arctic. Valleria, B.A., et al, (1985, p.732-744, eng) 39-3218
- See also: Ice cracks
- Creep**
- Creep model for constant stress and constant strain rate. Fish, A.M., (1984, p.1009-1012, eng) 39-110
- Creep of a strip footing on ice-rich permafrost. Sayles, F.H., (1985, p.29-51, eng) 39-3581
- See also: Ice creep; Rheology. Snow creep. Soil creep
- Crevasse detection**
- Survival in Antarctica, 1984 edition (1984, 101p, eng) 39-254
- Crossings**
- See: Bridges, ice crossings, river crossings
- Crude oil**
- Floating drilling rigs designed for the North. Gudze, A.A., et al, (1984, p.3-4, eng) 39-1336
- Peculiarities of exploration and gas field development in western Siberia. Andreev, O.F., et al, (1984, 211p, rus) 39-2071
- Bering Sea crude oil transportation systems. Padron, D.V., et al, (1985, p.989-997, eng) 39-3237
- Crustal structure**
- See: Earth crust; Tectonics
- Cryobiology**
- Influence of light on development and growth of sea-ice microbial communities in McMurdo Sound. Sullivan, C.W., et al, (1983, p.177-179, eng) 39-308
- Studies of ice-algal communities in the Weddell Sea. Garrison, D.L., et al, (1983, p.179-181, eng) 39-309
- Relative abundance of diatoms in Weddell Sea pack ice. Clarke, D.B., et al, (1983, p.181-182, eng) 39-310
- Oceanography of the antarctic marginal ice zone. Smith, W.O., et al, (1983, p.190-192, eng) 39-311
- Distribution, abundance, and diversity of McMurdo Sound ice bacteria in 1980. Sullivan, C.W., et al, (1984, p.788-795, eng) 39-376
- New species of actinomyces found in Central Antarctic glacier. Abzyov, S.S., et al, (1983, p.310-318, eng) 39-459
- Observation of diatoms in Greenland ice. Gayley, R.I., et al, (1984, p.172-173, eng) 39-714
- Antarctic ecology. Laws, R.M., ed, (1984, 850p, (2 vols.), eng) 39-1181
- Antarctic marine flora. Heywood, R.B., et al, (1984, p.373-419, eng) 39-1188
- Marine benthos. White, M.G., (1984, p.421-461, eng) 39-1189
- Biology and structure of Weddell Sea ice. Dieckmann, G., et al, (1984, p.100-105, eng) 39-1686

Cryobiology (cont.)

- Marine phytoplankton and sea ice microalgae, Arctic Canada. Hsiao, S.I.C., [1983, p.225-313, eng] 39-1742
- Late winter chlorophyll *a* distributions in the Weddell Sea. Marra, J. et al. [1984, p.197-205, eng] 39-1826
- Siliceous microfossils in waters beneath antarctic sea ice. Morley, J.J. et al. [1984, p.207-210, eng] 39-1827
- Minke whaling by the Japanese in 1982-83. Shimadzu, Y. et al. [1984, p.357-359, eng] 39-1913
- Pack ice edge data from Japanese catcher boats in the Antarctic. Shimadzu, Y. et al. [1984, p.361-363, eng] 39-1914
- Biogeochemical adaptations of cryptogams to natural extreme environments. Martin, I.U.L., [1984, p.95-100, rus] 39-2651
- Sea ice microbial communities. 3. Seasonal abundance of microalgae and associated bacteria, McMurdo Sound, Antarctica. McGrath Grossi, S. et al. [1984, p.231-242, eng] 39-3088
- Sea ice microbial communities. 4. The effect of light perturbation on microalgae at the ice-seawater interface in McMurdo Sound, Antarctica. Palmisano, A.C. et al. [1985, p.37-45, eng] 39-3089
- Microorganism survival in an ice-covered river. Putz, G. et al. [1984, p.177-186, eng] 39-3372
- Cryptodolich microbial environment in the antarctic cold desert: temperature variations in nature. McKay, C.P. et al. [1985, p.19-25, eng] 39-3556
- Photosynthetic carbon assimilation in sea-ice microalgae from McMurdo Sound. Palmisano, A.C. et al. [1985, p.674-678, eng] 39-3743
- Cryogenic processes**
See: Geocryology
- Cryogenic slope processes**
See: Slope processes or Geocryology
- Cryogenic soils**
Cryogenesis and the formation of soil. Khudiakov, O.I., [1984, 196p, rus] 39-28
- Soils of the islands and maritime regions of the Pacific Ocean: Proceedings of the 14th Scientific Congress on the Pacific Ocean, Khabarovsk, August, 1979. Ilev, A.M. ed. [1982, 174p, rus] 39-29
- Pedologic and geographic regionalization of the Far North-East. Ignatenko, N.V. et al. [1982, p.44-96, rus] 39-30
- Regional characteristics of soil formation in monsoon areas after forest fires. Sapozhnikov, A.P., [1982, p.117-124, rus] 39-31
- Studying winter state of different landscapes. Beruchashvili, N.L. et al. [1984, p.78-82, rus] 39-39
- Microbiology of soils disturbed by coal mining. Andronova, M.F., [1984, p.82-86, rus] 39-40
- Lichens of the western Sayan. Kravchuk, S.V., [1981, p.90-92, rus] 39-74
- Behavior of 238-U, 232-Th and 226-Ra in mountain tundra soils. Shuktomova, I.I. et al. [1983, p.51-56, rus] 39-220
- Micromycetes in soils of an Arctic tundra ecosystem. Bab'eva, E.N. et al. [1983, p.71-74, rus] 39-221
- Soil formation on light rocks in tundra and forest tundra. Liverovskaya, I.T., [1984, p.85-91, rus] 39-393
- Mobility of lead in freezing-thawing soils. Kuz'menkova, V.S. et al. [1984, p.67-69, rus] 39-421
- Principles of distinguishing soil provinces in geographic regionalization. Urusevskaya, I.S., [1984, p.3-10, rus] 39-442
- Cryogenic brown soils of Sikhote Alin'. Surina, N.I. et al. [1984, p.10-19, rus] 39-443
- Iron compounds in soddy podzols. Shvarova, T.I.U., [1984, p.79-81, rus] 39-444
- Geochemistry of iron in southern taiga soils. Sizov, A.P., [1984, p.81-84, rus] 39-445
- Summaries of papers presented at the 5th convention of the delegates of the All-Union Botanical Society. Lavrenko, E.M., ed. [1973, 403p, rus] 39-446
- Hydrochemistry of rivers and lakes in the Buryat ASSR. Obozhin, V.N. et al. [1984, 151p, rus] 39-482
- Cryophilic meadows of Polar Ural Mountains. Igoshva, N.I., [1984, p.10-11, rus] 39-505
- High altitude flora of Ural Mountains. Gorchakovskii, P.L., [1984, p.53-54, rus] 39-518
- Calculating soil moisture for roadbed construction. Aleksikov, S.V. et al. [1984, p.105-109, rus] 39-594
- Temperature regime and some biological properties of woody plants in northern Kirgizia. Sartbaeva, M.K., [1984, 238p, 840] 39-644
- Ultracontinental taiga soil formation on calcareous loams in Central Yakutiya. Sokolov, I.A., et al. [1976, p.144-160, eng] 39-706
- Migration of ore elements in cryolithozones. Vagner, B.B., [1984, p.85-89, rus] 39-749
- Microflora of litter in northern forests. Makarova, A.P. et al. [1984, p.94-97, rus] 39-796
- Evolution of taiga soils. Aref'eva, Z.N., [1977, p.33-44, rus] 39-883
- Economic development of the Chita section of BAM. Zadorozhnyi, V.F. et al. [1984, p.101-108, rus] 39-904
- Cryogenic processes in loess formation in Central Asia. Minervin, A.V., [1984, p.133-140, eng] 39-1060
- Vegetation of the Far East. Nechaev, A.P., ed. [1976, 136p, rus] 39-1071
- Characteristics of hardpans of superficially gleyed tundra soils. Tsypanova, A.N., [1984, p.5-11, eng] 39-1079
- Soil formation on taiga loams. Gorbachev, V.N., et al. [1984, p.12-18, eng] 39-1080
- Soil formation and weathering in the Far East. Ershov, I.U.I., [1984, 262p, rus] 39-1153
- Micromorphology of cryogenic soils. Konishchev, V.N., et al. [1977, p.119-125, rus] 39-1177
- Landscape geochemistry of northern Siberia. Perel'man, A.I. et al. [1984, p.18-26, rus] 39-1192
- Formation and structure of secondary dispersion halos in low-mountain taiga landscapes of permafrost areas. Miasnikov, A.A. et al. [1984, p.56-61, rus] 39-1196
- Using mobile elements in search for deeply buried ore bodies. Vinokurov, I.P., et al. [1984, p.73-79, rus] 39-1199
- Biogenic accumulation of nitrogen in plants of tundra zone (exemplified by the ecosystems of Bol'shezemel'skaya tundra). Grunina, L.K., et al. [1984, 32p, rus] 39-1396
- Soils and geological conditions of the Nечернозем'e. Sergeev, E.M., ed. [1984, 608p, rus] 39-1424
- Pine forests of northern Europe. Ziabchenko, S.S., [1984, 247p, rus] 39-1443
- Mapping taiga soils from satellite photographs. Korsunov, V.M., et al. [1984, p.47-49, rus] 39-1488
- Infiltration parameters in the Gerkhozansu mudflow basin (northern Caucasus). Moskalov, E.L., et al. [1984, p.77-84, rus] 39-1708
- Impact of human activities on Subalpine soils. Razumov, V.V., [1984, p.109-121, rus] 39-1709
- Design of municipal buildings for the Far North. Reference book. Nazarova, L.G., et al. [1984, 216p, rus] 39-1896
- Local contrasts in geosystems. Kapitsa, A.P., ed. [1977, 206p, rus] 39-1897
- Contrasts and the dynamics of the natural-territorial structure of the southern part of the Burenskiy Range. Golubchikov, I.U.N., [1977, p.8-18, rus] 39-1898
- Hydrothermal structure of landscapes in the Kingan-Bureya lowland. Kolomyts, E.G., [1977, p.19-76, rus] 39-1899
- Photogenic hydrothermal contrasts in landscapes of the Kingan-Bureya lowlands. Kolomyts, E.G., et al. [1977, p.77-121, rus] 39-1900
- Forest vegetation as an indicator of permafrost. Borshcheva, N.M., et al. [1983, p.176-187, rus] 39-1930
- Agrophytocenotic aspects of grass sowing in permafrost areas. Denisov, G.V., [1984, 250p, rus] 39-1950
- Denitrification in soils of western Siberia. Gantimurova, N.I., [1984, 117p, rus] 39-2033
- Life of plants under extreme high-mountain conditions (exemplified by Central Caucasus). Nakhutsrishvili, G.Sh., et al. [1984, 123p, rus] 39-2040
- Environmental impact of different machines used in forestry. Vinogorov, G.K., [1984, p.26-27, rus] 39-2106
- Principles of thermomorphology of cryogenic soils. Grechishchev, S.E., [1984, p.52-54, eng] 39-2126
- Life-forms of forest phytocenoses. Krylov, A.G., [1984, 184p, rus] 39-2199
- Stability of forest-strip protection in Siberia and Kazakhstan. Popova, O.S., et al. [1984, 130p, rus] 39-2221
- Economic development of taiga. [1984, 184p, rus] 39-2341
- Construction of water reservoirs in taiga. Avakian, A.B., et al. [1984, p.64-78, rus] 39-2345
- Revegetation of eroded soils in permafrost areas. Zaitsev, G.A., [1985, p.38-41, rus] 39-2463
- Dark conifer forests of the West Siberian Plain. Il'ina, I.S., [1984, p.19-50, rus] 39-2576
- Economic development of the lower Irtysh River valley. Druzhinina, N.P., et al. [1984, p.50-76, rus] 39-2577
- All-Union conference on adaptation of organisms to the Arctic environment, Tallin, Nov. 27-30, 1984. Proceedings. [1984, 212p, rus] 39-2639
- Adaptation of meadow plants in tundra zones. Zanolka, L.L., [1984, p.53-58, rus] 39-2646
- Adaptive aspects of antecology of tundra plants. Kaligorodova, M.S., [1984, p.69-72, rus] 39-2649
- Adaptive peculiarities of soil microorganisms in the Arctic. Parinkina, O.M., [1984, p.125-129, rus] 39-2654
- Vegetation of the Chukotskiy Peninsula. Razzhivin, V.I.U., [1984, p.155-159, rus] 39-2659
- History of vegetational cover in northern Asia. Malyshev, L.I., ed. [1984, 161p, rus] 39-3003
- Arctic and alpine types of flora of the Sikhote-Alin'. Kharkevich, S.S., et al. [1984, p.5-21, rus] 39-3004
- Historical trends in vegetation zonality of the Central Siberian Plateau. Vodop'ianova, N.S., [1984, p.93-106, rus] 39-3008
- Introduction of decorative plants in Yakutia. Andreev, V.N., ed. [1984, 100p, rus] 39-3009
- Introducing plants to permafrost areas. Krotova, Z.E. et al. [1984, p.5-11, rus] 39-3010
- Grouping Yakutian lands for agricultural development. Elovskaya, L.G., et al. [1984, p.34-48, rus] 39-3023
- Cycle of chemical elements in taiga landscapes of southern Yakutia. Konorovskii, A.K., et al. [1984, p.49-60, rus] 39-3024
- Effect of microrelief on thermal regime of cryogenic soils. Romanov, P.G., [1984, p.75-82, rus] 39-3028
- Restoration of drying fir-spruce forests in the Central Sikhote Alin'. Malorova, L.A., [1984, p.115-116, rus] 39-3065
- Reforestation in the southern taiga subzone. Koropachinskii, I.U., ed. [1983, 125p, rus] 39-3066
- Estimation of artificial reforestation quality in the Bol'shemurtinskiy Forestry. Vital'ev, A.P., et al. [1983, p.31-40, rus] 39-3068
- Changes in vegetational cover of mixed-grass pine forests due to human activities. Krivchikova, L.D., [1983, p.49-57, rus] 39-3069
- Forest-growing properties of soils beneath forest cultures. Gorbachev, V.N., [1983, p.57-64, rus] 39-3070
- Changes in chemical and biologic properties of soils beneath forest cultures. Popova, E.P., et al. [1983, p.64-73, rus] 39-3071
- Aley River basin: landscape mapping for practical purposes. Bulatov, V.I., et al. [1984, p.3-33, rus] 39-3079
- Compilation of maps of water erosion of relief-forming rocks for analyzing and forecasting gully erosion in non-chernozem areas. Liubimov, B.P., [1985, p.62-70, rus] 39-3105
- Living tundra. Chernov, I.U.I., [1985, 213p, eng] 39-3270
- Variability of common pine in the Angara River area. Kuz'mina, N.A., [1985, p.40-46, rus] 39-3297
- Arctic soil classification. Hendershot, W.H., [1985, p.283-291, eng] 39-3583
- Permafrost phenomena in the Chara River basin. Krendel'ev, F.P., et al. [1985, p.53-82, rus] 39-3596
- Formation of gullies in the Novosibirsk area. Petrova, N.I., [1985, p.60-69, rus] 39-3620
- Microbial cenoses in Siberian ecosystems affected by technology. Naplekova, N.N., et al. [1985, p.38-69, rus] 39-3629
- Role of microbes and animals in litter decomposition in cold regions. Naplekova, N.N., et al. [1985, p.70-85, rus] 39-3630
- Relict plant communities in western Chukotskiy Peninsula. Kozitskaya, L.T., et al. [1985, p.32-38, rus] 39-3745
- Dynamic processes in forests of the Far East. Man'ko, I.U.I., ed. [1984, 168p, rus] 39-3798
- Dynamics of forest resources in northern Sakhalin Island. Sheingauz, A.S., [1984, p.36-54, rus] 39-3800
- Reestablishment of larch forests in central Sikhote Alin'. Glagolev, V.A., [1984, p.91-103, rus] 39-3802
- Cryogenic structures**
Open questions in paleogeocryology. Vasil'chuk, I.U.K., et al. [1984, p.64-78, rus] 39-440
- Ultracontinental taiga soil formation on calcareous loams in Central Yakutiya. Sokolov, I.A., et al. [1976, p.144-160, eng] 39-706
- Cryogenic microstructure of surface loams on the Anabaro-Olenekskoye plateau. Bazylev, V.A., et al. [1984, p.39-46, rus] 39-837
- New data on the origin of the Edoma complex. Tomirdario, S.V., et al. [1984, p.1446-1449, rus] 39-1636
- Cryogenic landforms of King George Island, South Shetland Islands. Vtiurin, B.I., et al. [1985, p.77-82, rus] 39-2039
- Cryogenic textures**
Nonmetallic materials at low temperature. Hartwig, G., ed. [1982, 399p, eng] 39-529
- Cryogenics**
Quick freezing of rocks using liquid nitrogen. Zhitomirsky, I.S., et al. [1984, p.676-678, eng] 39-2043
- Comparison of calibrated temperature sensors: 4-300 K. Harris-Lowe, R.F., et al. [1984, p.531-535, eng] 39-2714
- Irreversible condensation conditions near the cryosurface. Sekulic, D.P., [1985, p.1205-1214, eng] 39-4021
- Cryopedology**
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- Crystall defects**
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Freeze crystallization. Heist, J.A., [1979, p.72-82, eng] 39-277
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- Theoretical basis for obtaining friable ice. Smorygin, G.I., [1984, 157p, rus] 39-1154
- Thermal convection during Bridgman crystal growth. Carlson, F.M., et al. [1984, p.747-756, eng] 39-1584
- Asymmetries of the melting transition. Bilgram, J.H., [1983, p.335-346, eng] 39-2271

- Mass crystallization and crystal growth rate.** Mozhinskiĭ, A.I., et al, (1984, p.899-904, eng) 39-3819
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 Crystal-melt surface tension and grain boundary groove morphology. Voorhees, P.W., et al, (1984, p.425-440, eng) 39-611
 Thermodynamic equilibrium of a crystalline sphere in a fluid. Mullins, W.W., (1984, p.1436-1442, eng) 39-654
 Cryocrystals. Prikhod'ko, A.F., et al, (1983, 526p., rus) 39-1317
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- Culverts**
 Baykal Amur railroad at the last stage of construction. Mokhortov, K.V., (1984, p.29-38, rus) 39-1409
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 Protection from avalanche damage in Japan. Kurashima, O., (1984, p.129-138, jpn) 39-776
 Oil spills: damage and recovery in tundra and taiga. Linkins, A.E., et al, (1984, p.135-155, eng) 39-1180
 Snow and avalanches in the Swiss Alps, winter 1982/83. (1984, 132p., ger) 39-1349
 Accidents and damage due to avalanches in the Swiss Alps. Föhn, P., et al, (1984, p.95-127, ger) 39-1352
 Frost damage of the protecting slope of the reservoir dams and the treatments to them in Suihua area. Wu, Y., (1984, p.69-76, chi) 39-1542
 Long-term effects of off-road vehicle traffic on tundra terrain. Abele, G., et al, (1984, p.283-294, eng) 39-1586
 Engineer's pothole repair guide. Eaton, R.A., et al, (1984, 12p., eng) 39-2096
 Re-design of the scale of avalanche danger. Arthaud, J., (1984, p.19-34, fre) 39-2671
- Dams**
 Performance of mechanical equipment of hydroelectric power plants under northern conditions. Martenson, V.I.A., (1984, p.31-34, rus) 39-894
 Tailwater flow conditions. Ferrick, M.G., et al, (1983, 31p., eng) 39-1252
 Limnology of Lake Koocanusa, MT, the 1967-1972 study. Bonde, T.J.H., et al, (1982, 184p., eng) 39-1260
 Frost damage of the protecting slope of the reservoir dams and the treatments to them in Suihua area. Wu, Y., (1984, p.69-76, chi) 39-1542
 Estimating seasonal changes in water inflow into reservoirs. Komarov, V.D., et al, (1985, p.3-26, rus) 39-1548
 Slope protection from glacial mudflows. Bolov, V.R., (1984, p.74-77, rus) 39-1707
 Design and performance of water-retaining embankments in permafrost. Sayles, F.H., (1984, p.31-42, eng) 39-2124
 Development of mudflow processes in foci of different types. Khonin, R.V., (1984, p.17-29, rus) 39-2281
 Origin of glacial mudflows. Staviaskii, I.A.S., et al, (1984, p.77-83, rus) 39-2289
 Reconnaissance study of proglacial Stewart Lakes, Baffin Island, District of Franklin. Gilbert, R., et al, (1985, p.305-310, eng) 39-2333
 Environmental effects of ice processes on the Susitna River. Schoch, G.C., et al, (1983, p.8(1)-8(31), eng) 39-2444
 Prediction of glacier derived runoff for hydro-electric development. Tangborn, W.V., (1984, p.257-265, eng) 39-2508
 Feasibility of ice control below high-head hydro projects. Lapien, V.E., et al, (1984, p.77-87, eng) 39-3472
 Radial spillway gates of northern hydroelectric power plants. Sitnianskiĭ, A.I., (1985, p.414-418, eng) 39-3815
 See also: Earth dams; Ice dams
- Data processing**
 CODATA directory of data sources for snow and ice. Barry, R.G., ed, (1984, 87p., eng) 39-143
 Problem of establishing a data bank for glaciers. Orakovich, V.F., et al, (1984, p.133-142, rus) 39-304
 Sea gravimeter of the icebreaker *Shirane*. Segawa, J., et al, (1984, p.48-60, eng) 39-1088
- NESDIS environmental inventory No.1. Environmental data inventory for the antarctic area.** (1984, 52p., eng) 39-1310
- Comparison of antarctic sea ice data sets and inferred trends in ice area.** Sturman, A.P., et al, (1983, p.275-280, eng) 39-3530
- User's guide for the BIBSORT program for the IBM-PC personal computer.** Kyriakakis, T., et al, (1985, 61p., eng) 39-4055
- Data transmission**
 Hydrological measuring and data transmission in Greenland. Thomsen, T., (1984, p.151-169, eng) 39-1282
- Chilean antarctic deployment of automatic weather stations.** Araya F., M., et al, (1983, p.69-68, eng) 39-2594
- Antarctic telecommunications: a brief history and the situation today.** Thomson, R.B., (1983, p.69-76, eng) 39-2595
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 Ice thickness distribution in Davis Strait in February from submarine sonar profiles. Wadhams, P., et al, (1985, p.1069-1077, eng) 39-2361
 Davis Strait iceberg scouring study. Pereira, C.P.G., et al, (1984, 78p., eng) 39-3446
 Deep water scours in Davis Strait. Guigne, J.Y., et al, (1985, p.155-167, eng) 39-3762
- Decomposition**
 Exchange processes in biogeocenoses. Reports presented at the second annual meeting commemorating academician V.N. Sukachev, Moscow, Oct. 19, 1983. Giliarov, M.S., ed, (1984, 85p., rus) 39-1394
 Mass loss in a forested bog: relation to hummock and hollow microrelief. Farriah, K.W., et al, (1985, p.375-378, eng) 39-3585
- Defects**
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 Some peculiarities of loess soil wetting. Larionov, A.K., et al, (1984, p.11-23, rus) 39-584
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- Degradation**
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- Deicing**
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- Deadritic ice**
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- Deposits**
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 Problems in studying lichens of the Far North. Trass, Kh.Kh., (1981, p.68-70, rus) 39-71
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 Snow cover characteristics in arid grazing areas of Uzbekistan. Babushkin, O.L., (1978, p.67-75, rus) 39-1337
 Snow as a factor in salt desert shrub vegetation. West, N.E., et al, (1983, p.376-379, eng) 39-1353
 Cryogenic phenomena in landscape types of Kamchatka Peninsula. Bykasov, V.E., (1977, p.196-202, rus) 39-1906
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 Plant adaptation to the environments of polar forestless regions. Iurtev, B.A., (1984, p.207-212, rus) 39-2666
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 Glossary of landscape and vegetation ecology for Alaska. Gabriel, H.W., et al, (1984, 137p., eng) 39-1575
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Fine grain model ice. Enkvist, E., et al. (1984, p.217-227, eng) 39-1805
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Hydrogeological forecasts for construction under severe climatic conditions. Sotnikov, A.B., (1984, 81p., rus) 39-891
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- Drains**
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Effect of summer ice on ship speed. Borudachev, V.E., (1984, p.34-40, eng) 39-686
- Stresses in a compact ice cover. Timokhov, L.A., (1984, p.41-50, eng) 39-687
Physical methods of studying the stressed state of ice cover. Bogorodskii, V.V., et al. (1984, p.59-70, eng) 39-689
Variability of the state of disintegration of ice. Gorbunov, I.U.A., et al. (1984, p.92-98, eng) 39-692
Horizontally uniform wind drift of variously packed ice. Timokhov, L.A., (1984, p.123-135, eng) 39-696
Computation of the influence of fragmentation on ice distribution. Priamikov, S.M., et al. (1984, p.136-142, eng) 39-697
Unsteady wind drift of sea ice. Doronin, I.U.P., et al. (1984, p.143-150, eng) 39-698
Calculating the wind component for Arctic ice drift. Sychev, V.I., (1984, p.151-158, eng) 39-699
Studying sea ice drift by radar. Gorbunov, I.U.A., et al. (1984, p.159-168, eng) 39-700
Water resistance caused by the bottom relief of ice packs. Nikiforov, E.G., et al. (1984, p.169-176, eng) 39-701
Some characteristics of the friction layer near rough surfaces in the sea. Doronin, I.U.P., et al. (1984, p.177-180, eng) 39-702
Calculating wind-drift of sea ice. Romanov, V.F., (1984, p.191-206, eng) 39-704
Where do antarctic icebergs drift. Vinje, T.E., (1978, p.285-288, nor) 39-710
Ice dynamics. Hibler, W.D., III, (1984, 52p., eng) 39-896
Long range forecasts of ice conditions in non-arctic seas. Karakash, A.I., et al. (1984, p.81-90, rus) 39-905
Estimate of the mean field of Arctic sea ice motion. Colony, R., et al. (1984, p.10,623-10,629, eng) 39-970
Mechanical properties of sea ice: a status report. Weeks, W.F., et al. (1984, p.135-198, eng) 39-971
Satellite observations of ice shelf drift. Gerdau, H., et al. (1984, p.161-175, ger) 39-1025
Extracting uranium from sea water using iceberg drift. Nishiyama, T., (1984, p.184-186, eng) 39-1092
Heat and mass balance observations during the MIZEX 83 drift program. Maykut, G.A., (1984, p.35-46, eng) 39-1128
Application of a numerical sea ice model to the East Greenland area. Tucker, W.B., (1982, 40p., eng) 39-1268
Late Paleozoic Gondwana glaciation. Martin, H., (1981, p.480-496, eng) 39-1530
Drift of a number of idealized model icebergs. Shirasawa, K., et al. (1984, p.19-30, eng) 39-1619
Iceberg drift defines antarctic ocean circulation. Tchernia, P., et al. (1984, p.263-269, eng) 39-1822
Beaufort Sea ice motions. Pritchard, R.S., (1984, p.95-113, eng) 39-1872
Tidal currents and eddy statistics from iceberg trajectories off Labrador. Garrett, C., et al. (1985, p.1333-1335, eng) 39-1941
Physical phenomena and properties of oceans. Plakhotnik, A.F., (1984, 232p., rus) 39-2055
Multipurpose feeder-lighters for the Arctic. Miroshnichenko, I.P., et al. (1983, p.3-15, rus) 39-2201
Sea ice movements from synthetic aperture radar. Rothrock, D.A., et al. (1981, 84p., eng) 39-2261
Sea ice motion as a drunkard's walk. Colony, R., et al. (1985, p.965-974, eng) 39-2359
Statistical prediction of iceberg trajectories. Garrett, C., (1984, p.3-8, eng) 39-2527
Forecasting iceberg drift: a comparative study. Gaskill, I.S., et al. (1984, p.8-13, eng) 39-2528
Grounding and scouring icebergs on the Labrador Shelf. Woodworth-Lynas, C.M.T., et al. (1984, p.13-20, eng) 39-2529
Iceberg grounding and scouring on the Labrador Continental Shelf. Woodworth-Lynas, C.M.T., et al. (1985, p.163-186, eng) 39-2559
Synoptic ice dynamics and atmospheric circulation during the Bering Sea Experiment. Campbell, W.J., et al. (1982, p.158-179, eng) 39-2748
Analysis of the results of measurements of ice cover characteristics (Option C). Rabinovich, I.U.I., et al. (1982, p.289-307, eng) 39-2748
Doppler satellite measurements on the Antarctic Peninsula. Seeber, G., (1985, p.124-129, ger) 39-2815
Sea ice of the southern ocean and navigation conditions. Romanov, A.A., (1984, 88p., charts, rus) 39-3057
Iceberg interactions with offshore structures. Isaacson, M. de S.O., (1985, p.276-284, eng) 39-3100
HF CODAR Doppler transponder system. Crisman, R.D., et al. (1985, p.888-907, eng) 39-3229
Numerical simulation of Northern Hemisphere sea ice variability, 1951-1980. Walsh, J.E., et al. (1985, p.4847-4865, eng) 39-3431
Mesoscale eddies of the Arctic Ocean. Manley, T.O., et al. (1985, p.4911-4930, eng) 39-3433
Short-range forecast of zones of ice compression caused by wind drift of ice. Ivchenko, V.O., et al. (1984, p.10-17, eng) 39-3645
Calculating the redistribution of drifting ice. Maslovskii, M.I., (1984, p.18-24, eng) 39-3646
Forecasting spring ice conditions in the Anadyr Bay. Arikainen, A.I., (1984, p.57-67, eng) 39-3651

- Mathematical model for sea ice. Appel', I.L., et al. 1984, p.68-72, eng. 39-3682
- Determining wind stress on ice cover surface. Appel', I.L., 1984, p.73-77, eng. 39-3683
- Predictions of extreme keel depths from submarine sonar data. Wadhams, P., 1985, p.32-47, eng. 39-3755
- See also: Snowdrifts
- Drift stations**
- Air-ice-ocean interaction experiments in Arctic marginal ice zones. 1984, 56p., eng. 39-1123
- Drift velocity during the drift-station phase of MIZEX 83. McPhoe, M.G., 1984, p.1-11, eng. 39-1124
- MIZEX 83—BIO buoy data summary. Symonds, G., et al., 1984, p.13-18, eng. 39-1125
- Problems of polar oceanology. Treshnikov, A.F., et al., 1984, p.38-53, rus. 39-1133
- Ivan Papanin—hero of the Arctic. Documented essay. Tikhomirov, G.S., 1984, 188p., rus. 39-2240
- My polar travels. Treshnikov, A.F., 1985, 478p., rus. 39-3348
- Peculiarities of heat exchange between the atmosphere and ocean in the Arctic Basin. Makshtas, A.P., 1984, p.102-108, eng. 39-3656
- Portable echo fathometer. Kovchin, I.S., et al., 1984, p.160-165, eng. 39-3657
- Subsurface currents in the Arctic Ocean. Belikov, L.N., et al., 1984, p.9-18, eng. 39-3659
- Variability of depth of occurrence and temperature of Pacific waters. Blinov, N.I., et al., 1984, p.135-141, eng. 39-3666
- Drill core analysis**
- Core processing and analyses of ice cores drilled at the South Pole. Stauffer, B., et al., 1983, p.114-116, eng. 39-12
- South Pole pit stratigraphic studies. Mosley-Thompson, E., et al., 1983, p.116-118, eng. 39-13
- South Pole ice core processing and microparticle analysis. Mosley-Thompson, E., et al., 1983, p.118-119, eng. 39-14
- Core drilling of Vernagtferner, Austrian Alps. Oerter, H., et al., 1983, p.1-11, eng. 39-43
- Core drilling on Vernagtferner (Oetzal Alps, Austria) in 1979: tritium contents. Oerter, H., et al., 1983, p.13-22, eng. 39-44
- Core drilling on Vernagtferner (Oetzal Alps, Austria) in 1979: deuterium and oxygen-18 contents. Stichler, W., et al., 1983, p.23-35, eng. 39-45
- Structural investigations of snow and ice on core III from the drilling on Vernagtferner, Austria, in 1979. Good, W., 1983, p.53-64, eng. 39-48
- Temporal variations in the 10 Be concentration levels found in the Dye 3 ice core, Greenland. Beer, J., et al., 1984, p.16-17, eng. 39-165
- Ice core analysis, Penny Ice Cap, Baffin Island. Holdsworth, G., 1984, p.3-15, eng. 39-236
- Interpretation of the chemical and physical time-series retrieved from Sentic Glacier, Ladakh Himalaya, India. Mayewski, P.A., et al., 1984, p.66-76, eng. 39-244
- Sea and ocean level fluctuations for 15,000 years. Kaplan, P.A., ed., 1982, 230p., rus. 39-754
- Origin of "inundated shore lines" of glaciated North Atlantic shelves. Grovald, M.G., 1982, p.125-133, rus. 39-757
- P and S waves in rocks near Showa Station. Yukutaki, H., et al., 1984, p.17-27, eng. 39-1087
- Marine geology and bottom profiling of the Weddell Sea. Haase, G., 1984, p.129-136, eng. 39-1609
- Observations and analyses of sediment-laden sea ice. Osterkamp, T.E., et al., 1984, p.73-93, eng. 39-1871
- Evidence of ice rafting and tractive transfer in cores from Queen Charlotte Sound, British Columbia. Conway, K.W., et al., 1985, p.703-708, eng. 39-2334
- Detection of gas hydrate horizons in World Ocean. Ginsburg, G.D., et al., 1984, p.141-158, rus. 39-3058
- Studying climatic change from Canadian High Arctic ice cores. Koerner, R.M., et al., 1981, p.195-218, eng. 39-3282
- Drilling large-diameter wells in perennially frozen placers. Minakov, V.M., et al., 1985, p.38-41, rus. 39-3551
- Greenland ice core: geophysics, geochemistry, and the environment. Langway, C.C., Jr., ed., 1985, 118p., eng. 39-3559
- Antarctic Peninsula and Ross Sea sediment descriptions. Kaharuddin, F.A., et al., 1984, 242p., eng. 39-3637
- See also: Ice cores
- Drilling**
- 237-meter ice core from South Pole station. Kuivinen, K.C., 1983, p.113-114, eng. 39-11
- Sand mining in swamps through boreholes. Latyshev, V., 1984, p.8-9, rus. 39-224
- Calculating borehole geometry. Jezek, K.C., et al., 1984, 18p., eng. 39-475
- Drilling and blasting operation from ice. Tavrizov, V.M., 1984, p.597-604, rus. 39-591
- Distinguishing annual layers in firn-ice cores. Glazyrin, G.E., et al., 1984, p.79-92, rus. 39-638
- Drilling equipment designed for permafrost. Shukshin, V.A., 1984, p.30-31, rus. 39-677
- Crushing of rocks. Cherskii, N.V., ed., 1983, 138p., rus. 39-1155
- Drilling techniques and equipment used in permafrost areas. Fazylov, R.G., et al., 1983, p.79-83, rus. 39-1156
- Drilling methods and bits for Yakutia. Grigor'ev, A.N., et al., 1983, p.118-129, rus. 39-1160
- Overcoming difficulties of construction in permafrost areas. Vasil'ev, V.A., et al., 1984, p.12-13, rus. 39-1164
- Mechanization of tunneling. Kogan, V.Z., 1984, p.22-25, rus. 39-1169
- Foundations for power line supports. Solodovnik, V.I.A., et al., 1984, p.22-25, rus. 39-1340
- Equipment for building broad-base built-in-situ piles in water saturated ground. Kharchenko, V.V., et al., 1984, p.11-12, rus. 39-1346
- Drilling and casing-off wells in permafrost regions. Bibliography. Panina, T.I., 1983, 45p., rus. 39-1441
- Improving the efficiency of mining in the north. Izakson, V.I.U., ed., 1983, 85p., rus. 39-1885
- Dynamic loads on supports under permafrost conditions. Vikulov, M.A., 1983, p.21-26, rus. 39-1888
- Ground anchor design guidelines. 1984, 15 leaves, eng. 39-2115
- Drilling equipment under extreme northern conditions. Verkhuturov, B.F., 1985, p.9-10, rus. 39-3102
- Determining soil properties by electric cone penetrometer. Aust, J.A., et al., 1985, p.144-152, eng. 39-3168
- Pipeline landfill construction by horizontal drilling. Hair, J.D., 1985, p.792-800, eng. 39-3224
- Calculating optimal amounts of drilling fluids for thawing rock. Sedov, V.T., 1985, p.13-15, rus. 39-3298
- See also: Offshore drilling; Percussion drilling; Rock drilling; Rotary drilling
- Drilling fluids**
- Trace metal characterization in berite for drilling operations. 1980, 72p. + appendix, eng. 39-994
- Berite from drilling fluids in the Beaufort Sea. Macdonald, R.W., 1984, p.29-49, eng. 39-1825
- Radial stresses acting on well walls at different depths during freezing of fluids in caverns. Antipov, V.I., et al., 1984, p.27-28, rus. 39-1836
- Drilling and operation of gas wells in the presence of natural gas hydrates. Gritsenko, A.I., et al., 1984, p.167-172, eng. 39-2150
- Calculating optimal amounts of drilling fluids for thawing rocks. Sedov, V.T., 1985, p.13-15, rus. 39-3298
- Laboratory studies of ice pressure on well casings. Kuznetsov, V.G., et al., 1985, p.11-13, rus. 39-3308
- Using foam as circulation fluid in drilling wells. An, A.A., et al., 1984, p.59-61, rus. 39-3550
- Technical design of core drilling. Mikhailova, N.D., 1985, 200p., rus. 39-3687
- Ice excavation techniques. Suzuki, Y., 1985, p.24-38, eng. 39-3954
- Drills**
- Exhibition of excavation equipment for frozen ground. Riaboshapki, B.I., 1984, p.24-27, rus. 39-132
- Drilling equipment designed for permafrost. Shukshin, V.A., 1984, p.30-31, rus. 39-677
- Design and construction equipment for BAM area problems. Shmakov, V.P., 1984, p.31-35, rus. 39-1257
- Floating drilling rigs designed for the North. Gudze, A.A., et al., 1984, p.3-4, eng. 39-1336
- Drilling and casing-off wells in permafrost regions. Bibliography. Panina, T.I., 1983, 45p., rus. 39-1441
- Technology of studying sea bottom. Lukoshkov, A.V., 1984, 262p., rus. 39-2041
- Mechanical drill systems for the 25th Japanese Antarctic Research Expedition. Suzuki, Y., et al., 1984, p.188-196, eng. 39-3461
- See also: Ice coring drills; Ice drills; Thermal drills
- Drops (liquids)**
- See: Cloud droplets
- Dry ice (trademark)**
- Experimental studies of nucleation by dry ice. Horn, R.D., et al., 1982, p.1567-1570, eng. 39-2217
- Transition of liquid carbon dioxide to gas-solid mixture. Fomin, N.A., et al., 1982, p.503-507, eng. 39-3264
- Drying**
- Liquid mixtures separation in a freezing-out process. Gradoń, L., et al., 1984, p.1141-1148, eng. 39-89
- Comparison of Stefan model with two-phase model of coal drying. Lyczkowski, R.W., et al., 1984, p.1157-1169, eng. 39-90
- Calculating soil moisture for roadbed construction. Aleksikov, S.V., et al., 1984, p.105-109, rus. 39-594
- Estimating suitability of earth for erecting dams in permafrost areas. Kadkina, E.L., 1984, p.34-36, rus. 39-1590
- Restoration of drying fir-spruce forests in the Central Sikhote Alin'. Malorova, L.A., 1984, p.115-116, rus. 39-3065
- Mechanical dehydration of frozen peat. Aleksandrov, B.M., et al., 1984, p.15-17, rus. 39-3541
- See also: Freeze drying
- Dust**
- Snow and ice feedbacks prolong effects of nuclear winter. Robock, A., 1984, p.667-670, eng. 39-551
- Precipitation of atmospheric dust on mountain glacier surfaces. Glazyrin, G.E., et al., 1984, p.120-125, rus. 39-643
- Simulating the effects of dust on arctic snowmelt. Woo, M., 1984, p.597-5116, eng. 39-1298
- Geochemical monitoring of environmental pollution. Kachur, A.N., et al., 1984, p.93-94, rus. 39-1430
- Snow pollution by industrial wastes. Uchvatov, V.P., et al., 1984, p.198-200, rus. 39-1433
- Empirical relationship between dust content and Arctic snow albedo. Woo, M., et al., 1985, p.125-132, eng. 39-2555
- See also: Cosmic dust
- Dust control**
- Scientific basis for hydraulic dust control in mines of the North. Kudriashov, V.V., 1984, 261p., rus. 39-528
- Dust control in mines of permafrost areas. Netsepliyev, M.I., et al., 1984, p.93-99, rus. 39-2338
- Dynamic loads**
- Impact resistance of soils of varying moisture and temperature. Zebarth, B.J., et al., 1984, p.449-455, eng. 39-492
- Dynamic ice forces on piles. Khrapaty, N., et al., 1984, p.135-145, eng. 39-1799
- Dynamic forces of ice floes acting on bridge piers. Sun, Z.-F., et al., 1984, p.147-155, eng. 39-1800
- Dynamic loads on supports under permafrost conditions. Vikulov, M.A., 1983, p.21-26, rus. 39-1888
- Effects of ice loads, temperature and wind on cables. Oestreich, U.H.P., 1982, p.95-106, eng. 39-2234
- Determining the characteristic length of floating ice sheets by moving loads. Sodhi, D.S., et al., 1985, p.155-159, eng. 39-2408
- Flexural-gravity waves in an ice cover induced by a moving load. Khrapaty, N.G., et al., 1985, p.315-320, eng. 39-2430
- Dynamic interactions between floating ice and offshore structures. Croteau, P., 1983, 335p., eng. 39-2453
- Behavior and design of concrete structures under thermal gradients. Jokela, J., et al., 1985, 81p., fin. 39-2756
- Dynamic forces on an offshore structure from ice floe impacts. Hocking, G., et al., 1985, p.202-210, eng. 39-3173
- Earth crust**
- Cryosphere and cryopegs of the Earth and planets. Tolstikhin, N.I., 1985, p.13-21, rus. 39-3353
- Earth dams**
- Results of geological-geophysical studies of eastern Siberia in 1976-1980. Pinneker, E.V., ed., 1982, 136p., rus. 39-32
- Engineering and geocryological investigations. Derugin, A.G., ed., 1994, 76p., rus. 39-407
- Engineering and seismic investigations of dams built in permafrost areas. Tikhonov, V.V., 1984, p.29-32, rus. 39-412
- Effect of soil and vegetation removal on soil temperature regime in quarries. Vasil'ev, I.M., et al., 1980, p.20-24, rus. 39-751
- Inclined drainage of earth dams in the North. Moshkova, M.A., et al., 1980, p.52-55, rus. 39-753
- Increasing seismic stability of earth dams. Natarius, I.A.I., 1984, 88p., rus. 39-928
- Earth dam construction under permafrost conditions. Mel'nikov, P.I., et al., 1984, p.27-28, rus. 39-1342
- Construction of dumping grounds on permafrost bases. Kuznetsov, G.I., et al., 1984, p.29-30, rus. 39-1343
- Field studies of ice and thermal conditions of washed-up structures. Zakharov, M.N., 1984, p.30-33, rus. 39-1344
- Basic trends and problems of engineering geocryology in hydraulic construction. Tsytoich, N.A., et al., 1984, p.25-29, rus. 39-1587
- Permafrost distribution map for earth dam construction. Svateev, I.U.I., 1984, p.30-32, rus. 39-1588
- Treatment of earth for filling water-imperious parts of dams. Buanov, G.F., et al., 1984, p.32-34, rus. 39-1589
- Estimating suitability of earth for erecting dams in permafrost areas. Kadkina, E.L., 1984, p.34-36, rus. 39-1590
- Thermal regime of loams in cores of dams in freezing weather. Kochubievskaya, R.L., et al., 1984, p.36-38, rus. 39-1591
- Construction of low-pressure dams using frozen earth. Kuznetsov, G.I., et al., 1984, p.38-40, rus. 39-1592
- Performance of thermopiles at the Sytykanskaya earth-rock fill dam. Gorskoy, V.G., et al., 1984, p.41-42, rus. 39-1593
- Seepage and thermal regime of concrete-earth junctions. Gorokhov, E.N., et al., 1984, p.45-46, rus. 39-1595
- Calculating summer temperature of frozen ground curtains in earth dams. Raspopin, G.A., et al., 1984, p.97-101, rus. 39-1978
- Blasting techniques used in construction on water-saturated ground. Smirnov, A.G., et al., 1984, 216p., rus. 39-2069
- Efficient control of embankment thickness in construction on swamps. Aramko, V.N., 1984, p.4-5, rus. 39-2107
- Blasting technique for building embankments in swamps. Smirnov, A.G., et al., 1984, p.12-13, rus. 39-2108
- Design of intercepting dams for glacial mudflows. Zhakishiev, M.A., 1984, p.96-103, rus. 39-2253
- Repairing railroad subgrades affected by seasonal changes. Pavlov, A.I., 1982, p.89-94, rus. 39-2518

Earth dams (cont.)

- Thermal regime of subgrades during their freezing and thawing. Ashpiz, E.S., et al., 1982, p.10-15, rus 39-2519
- Earth dams on peat foundations. Shamshin, B.G., 1985, p.51-52, rus 39-2731
- Earth dam construction in freezing weather. Popov, I.U.A., et al., 1985, p.96-100, rus 39-3402
- Earth fills**
- Increasing seismic stability of earth dams. Natarious, I.A.I., 1984, 88p., rus 39-928
- Modern methods of frozen ground excavation, 1984, p.43, rus 39-1035
- Gradual perfecting of roadbed construction technology. Mikhailovich, V.S., et al., 1984, p.9-11, rus 39-1162
- Field studies of ice and thermal conditions of washed-up structures. Zakharov, M.N., 1984, p.30-33, rus 39-1344
- API bulletin on planning, designing, and constructing fixed offshore structures in ice environments, 1982, 49p., eng 39-1383
- Treatment of earth for filling water-imperious parts of dams. Bisanov, G.F., et al., 1984, p.32-34, rus 39-1589
- Construction of low-pressure dams using frozen earth. Kuznetsov, G.I., et al., 1984, p.38-40, rus 39-1592
- Efficient control of embankment thickness in construction on swamps. Iaromko, V.N., 1984, p.4-5, rus 39-2107
- Blasting technique for building embankments in swamps. Smirnov, A.G., et al., 1984, p.12-13, rus 39-2108
- Classification of soils according to the difficulty of their removal by single-bucket loaders. Maslov, V.A., et al., 1984, p.8-10, rus 39-3875
- Year-round pipeline construction in northern swamps. Bessarab, V.V., et al., 1985, p.40, rus 39-3996

See also: Rock fills**Earthquakes**

- Results of geological-geophysical studies of eastern Siberia in 1976-1980. Pinneker, E.V., et al., 1982, 136p., rus 39-32
- Surveys of earthquake areas in permafrost zones. Pavlov, O.V., et al., 1982, p.63-67, rus 39-33
- Seismic surveys in the BAM construction area. Solonenko, V.P., et al., 1982, p.68-76, rus 39-34
- Formation and geological activity of ground waters in eastern Siberia. Pinneker, E.V., et al., 1982, p.105-112, rus 39-35
- Engineering and seismic investigations of dams built in permafrost areas. Tikhonov, V.V., 1984, p.29-32, rus 39-412
- Seismic properties of perennially frozen ground. Ivanov, F.I., 1984, p.32-34, rus 39-413
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- Standard sectional buildings for the North. Dukarskii, I.U.M., et al., 1984, p.22-26, rus 39-893
- Increasing seismic stability of earth dams. Natarious, I.A.I., 1984, 88p., rus 39-928
- Seismic stability of bridges. Shestoporov, G.S., 1984, 143p., rus 39-1238
- Geology and seismicity of the BAM zone (from Lake Baykal to the Tynda River). Hydrogeology. Pinneker, E.V., et al., 1984, 167p., rus 39-2571
- Periglacial processes in southern East Siberia. Laperdin, V.K., 1985, p.54-61, rus 39-3013
- Confirmed earthquake in continental Antarctica. Adams, R.D., et al., 1985, p.489-492, eng 39-3086

See also: Seismology**Earthwork**

- Cost of railroad transportation of earth in freezing weather. Drukker, A.V., 1984, p.6-7, rus 39-130
- Increasing the efficiency of repairing construction equipment. Bardyshev, O.A., 1984, p.22-24, rus 39-131
- Exhibition of excavation equipment for frozen ground. Riaboshapko, B.I., 1984, p.24-27, rus 39-132
- Engineering and geocryological investigations. Derugin, A.G., ed., 1984, 76p., rus 39-407
- Changes in permafrost induced by construction. Akperisova, G.V., 1984, p.16-26, rus 39-410
- Seismic effect of explosion in frozen and hard rocks. Iakovlev, S.V., et al., 1984, p.27-29, rus 39-411
- Operation and maintenance of open-pit excavators under conditions of the North. Makhno, D.E., 1984, 133p., rus 39-645
- Drilling equipment designed for permafrost. Shukshin, V.A., 1984, p.30-31, rus 39-677
- Predicting optimal service life of quarry excavators under conditions of the North. Makhno, D.E., et al., 1984, p.92-95, rus 39-800
- Loading shovels for frozen ground. Belikov, I.U.I., et al., 1984, p.9-11, rus 39-854
- "Wall in the ground" at subzero temperatures. Iakimov, E.A., 1984, p.15-16, rus 39-939
- Seismic effect of detonating explosives in permafrost. Glozman, L.M., et al., 1984, p.40-45, rus 39-961
- Modern equipment and technology at the construction sites of gas-pumping objects in western Siberia. Zinov'ev, L.A., et al., 1984, p.10-12, rus 39-1030

- Construction of main pipelines in western Siberia. Iagovkin, V.N., 1984, p.12-13, rus 39-1031
- Crushing of rocks. Cherkil, N.V., ed., 1983, 138p., rus 39-1155
- Gradual perfecting of roadbed construction technology. Mikhailovich, V.S., et al., 1984, p.9-11, rus 39-1162
- Improving blasthole drilling techniques. Fazylov, R.G., et al., 1984, p.11-14, rus 39-1163
- Construction of drainage systems in bogs. Labendik, V.I., et al., 1984, p.57-58, rus 39-1173
- Design and construction equipment for BAM area problems. Shmakov, V.P., 1984, p.31-35, rus 39-1257
- Equipment designed for land reclamation. Meshkov, V.M., 1984, p.24-27, rus 39-1347
- Blasting of earth in the construction of main pipelines and underground storages. Globa, V.M., 1984, p.41-42, rus 39-1356
- Tunnels of the BAM. Bessolov, V.A., et al., 1984, p.38-44, rus 39-1410
- Soil compaction by impact. Fedulov, A.I., et al., 1983, 118p., rus 39-1442
- Estimating suitability of earth for erecting dams in permafrost areas. Kadkina, E.L., 1984, p.34-36, rus 39-1590
- Construction of low-pressure dams using frozen earth. Kuznetsov, G.I., et al., 1984, p.38-40, rus 39-1592
- Performance of thermopiles at the Sytykanaysk earth-rock fill dam. Gorshkov, V.G., et al., 1984, p.41-42, rus 39-1593
- Resistance of frozen soils to disintegration under high-pressure hydraulic jets. Petrosian, L.R., et al., 1984, p.127-131, eng 39-1652
- Erecting pile-drivers on artificially frozen ground. Vialov, S.S., et al., 1984, p.7-10, rus 39-1830
- Controlling the state of artificially frozen fines. Tiutunnik, P.M., et al., 1984, p.14-19, rus 39-1831
- Excavators for frozen loam containing gravel. Sokolov, L.K., et al., 1984, p.17-18, rus 39-1832
- Percussion hammer for frozen ground. Artem'ev, K.A., et al., 1984, p.125-127, rus 39-1980
- Assembly for testing percussion excavators. Kuz'menko, V.V., et al., 1985, p.30-31, rus 39-2032
- Mobile-crew flow-type method of building the transcontinental pipeline Urengoy-Pomary-Uzhgorod. Sudobin, G.N., et al., 1985, p.12-13, rus 39-2223
- Rules for the development of limited regional appraisals for structures and construction work, 1985, 156p., rus 39-2516
- Thermomechanical excavators for permafrost areas. Solomonov, S.A., et al., 1982, p.79-88, rus 39-2517
- Earthwork equipment used at different soil freezing depths. Meshkov, V.M., 1985, p.5-7, rus 39-2733
- Seam-blasting of frozen ground. Balbachan, I.P., et al., 1985, p.12-14, rus 39-2734
- Mass-blasting technique in freezing weather. Makhov, A.P., et al., 1984, p.27-28, rus 39-2751
- Automation in organizing railroad construction. Pershin, S.P., ed., 1983, 116p., rus 39-2823
- Estimating service life of excavators in permafrost areas. Lutsik, S.I.A., et al., 1983, p.12-20, rus 39-2824
- Environmental impact of quarry excavation for northern construction. Lukashuk, L.V., et al., 1983, p.28-33, rus 39-2826
- Construction equipment used in cold regions. Belikov, I.U.I., et al., 1985, p.36-37, rus 39-2867
- Specifics of operating complexes of earthwork machines in the North. Garkavi, N.G., 1985, p.86-91, rus 39-2883
- Problems of accelerated construction of roadbeds in polar areas. Freidin, I.A.I., 1985, p.9, rus 39-3113
- Review of the development and construction technology of northern petroleum fields. Berezin, V.L., et al., 1985, 51p., rus 39-3426
- Geological conditions of the city of Omak. Barata, N.I., 1985, p.31-34, rus 39-3614
- Changes in engineering and geocryological conditions during construction (exemplified by the town of Chita). Shavrin, L.A., 1985, p.34-37, rus 39-3615
- Landscape-ecological approach to the optimization of natural complexes affected by technology. Motorina, L.V., 1985, p.12-23, rus 39-3627
- Microbial cenoses in Siberian ecosystems affected by technology. Naplekova, N.N., et al., 1985, p.38-69, rus 39-3629
- Efficiency of single-bucket excavators in relation to their operation conditions. Rysenkov, A.M., et al., 1985, p.22-23, rus 39-3747
- High pressure jet technology used in construction. Mosin, V.D., 1984, p.189-192, eng 39-3811
- Machines used in BAM construction. Chelomiev, V.N., et al., 1985, p.32-33, rus 39-3822
- Roadbed construction in the North. Tkachenko, V.I.A., et al., 1984, p.7-8, rus 39-3874
- Classification of soils according to the difficulty of their removal by single-bucket loaders. Maslov, V.A., et al., 1984, p.8-10, rus 39-3875

See also: Excavation**Echo sounding**

- Short-term bathymetric changes in an ice-contact proglacial lake. Duck, R.W., et al., 1985, p.39-45, eng 39-3588

- Sound and the sea. Kliukin, I.I., 1984, 145p., rus 39-3590
- Characterization of snow by acoustic sounding: a feasibility study. Lee, S.M., et al., 1985, p.247-266, eng 39-3930

Ecology

- Ecological approach to snow studies in mountains. Kolomyts, E.G., et al., 1984, p.3-15, rus 39-289
- Macrobenthos of the lower Weddell Sea. Voss, J., 1984, p.106-115, ger 39-1607
- Ecology of tundra ponds of the Arctic Coastal Plain. Hobbie, J.E., 1984, 52p., eng 39-1895
- Northern ecology and resource management. Olson, R., ed., 1984, 438p., eng 39-2262
- Soil development in NW Canada and ecological relationships. Pettapiece, W.W., 1984, p.3-17, eng 39-2263
- Implications of upstream impoundment on the natural ecology and environment of the Slave River Delta, Northwest Territories. English, M.C., 1984, p.311-339, eng 39-2269
- Winter ecology of small mammals. Merritt, J.F., ed., 1984, 380p., eng 39-2929
- Materials and methods of subnivean sampling. Schmid, W.D., 1984, p.25-32, eng 39-2930
- Environmental impact by offshore structures in the Arctic Ocean. Craig, S.J., 1984, 9 chapters, eng 39-3052
- Climate changes in a cold mountainous region. Du, W., 1984, p.63-68, chi 39-3518
- Cryptocendolithic microbial environment in the antarctic cold desert: temperature variations in nature. McKay, C.P., et al., 1985, p.19-25, eng 39-3556
- Influence of snow cover recession on an alpine ecological system. Keller, M., et al., 1985, p.1931-1936, eng 39-3713

See also: Ecosystems; Paleocology; Plant ecology**Economic analysis****See: Cost analysis****Economic development**

- Settlement and regional planning for the North. Makiinenkov, V.M., 1983, 115p., rus 39-446
- International Conference on Oil and the Environment, Halifax, 1982, 1983, 274p., eng 39-730
- Man and nature in the BAM zone (environmental protection and the use of natural resources). Vorob'ev, V.V., ed., 1984, 156p., rus 39-901
- Economic development of the Chita section of BAM. Zadorozhnyi, V.F., et al., 1984, p.101-108, rus 39-904
- All-Union Seminar on environmental impact of industry, Zvenigorod, Dec. 4-8, 1984. Summaries of reports. Kriukovskii, D.A., ed., 1984, 240p., rus 39-1425
- Bioindication of natural environment in the Far North. Kriukov, V.V., 1984, p.106-108, rus 39-1431
- Snow pollution by industrial wastes. Uchvatov, V.P., et al., 1984, p.198-200, rus 39-1433
- Environmental impact of economic development of swamps. Khoroshev, P.I., et al., 1984, p.206-207, rus 39-1434
- Economic development of taiga, 1984, 184p., rus 39-2341
- Economic development of the Far North. Tsurikov, A.A., 1984, p.64-66, rus 39-3060
- Ecological aspects of economic development of the North. Bud'kov, S.T., 1984, p.79-80, rus 39-3062
- Oil and gas technologies for the Arctic and deepwater, 1985, 227p., eng 39-3087

See also: Land development**Ecosystems**

- Bryo-lichenological studies of high-altitude regions and the northern USSR. Shliakov, R.N., ed., 1981, 125p., rus 39-55
- Hepatic mosses of the Taymyr Peninsula. Zhukova, A.L., 1981, p.42-43, rus 39-64
- Mosses associated with mountain snowfields. Ulychna, K.O., 1981, p.55-57, rus 39-68
- Prudhoe Bay Waterflood Project: Environmental monitoring program 1983, 1984, 3 vols., eng 39-154
- Systems approach to alpine landscapes. Kolomyts, E.G., 1984, p.65-83, rus 39-297
- Summaries of papers presented at the 5th convention of the delegates of the All-Union Botanical Society. Lavrenko, E.M., ed., 1973, 403p., rus 39-446
- Arctic mosses of the USSR. Abramov, I.I., et al., 1973, p.174-176, rus 39-449
- All-Union conference "Vegetational cover of Subarctic highlands and problems of Arctic-Alpine floristic bonds", Khibiny, July 10-15, 1984. Summaries, 1984, 113p., rus 39-503
- Bald-peak and Alpine tundra communities on the Tukuringa Range. Stetsura, N.N., 1984, p.33-34, rus 39-513
- Tundra vegetation on the Putorana plateau. Chastukhina, S.A., 1984, p.41-42, rus 39-516
- Floristic bonds between Arctic islands of the USSR and high plateaus. Maksimova, M.I., 1984, p.66-67, rus 39-522
- Submersible systems for ecological research in polar regions. Ray, G.C., 1984, p.54-60, eng 39-578
- Alaas vegetation in Central Yakutia. Mironova, S.I., 1983, p.262-267, eng 39-593

- Temperature regime and some biological properties of woody plants in northern Kirgizia. Sartbaeva, M.K., (1984, 238p., 840) 39-644
- Vegetation of the Far East. Nechaev, A.P., ed. (1976, 136p., rus) 39-1071
- Structure, functional organization and dynamics of swamp ecosystems in Karelia. Elina, G.A., et al. (1984, 128p., rus) 39-1175
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- Terrestrial microbiology, invertebrates and ecosystems. Block, W., (1984, p.163-236, eng) 39-1184
- Application of simple snowmelt models in three different terrain types. Vehviläinen, B., et al. (1984, p.5.85-5.95, eng) 39-1297
- Studying taiga vegetation in the Severnaya research station. Orlov, A.I.A., (1984, p.36-57, rus) 39-1414
- Limitations to predictability of plant succession in northern ecosystems. Wein, R.W., et al. (1983, p.214-225, eng) 39-1522
- Preliminary estimation of the impact of industries on highland ecosystems. Razumov, V.V., et al. (1984, p.121-134, rus) 39-1710
- Alaskan Beaufort Sea: ecosystems and environments. Barnes, P.W., ed. (1984, 466p., eng) 39-1869
- Life of plants under extreme high-mountain conditions (exemplified by Central Caucasus). Nakhutshvili, G.Sh., et al. (1984, 123p., rus) 39-2040
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- Lower plants under extreme climatic conditions. Martin, J., ed. (1984, 224p., rus) 39-2367
- Lichens on bald areas of the Badzhel Range. Randlane, T.V., (1984, p.120-133, rus) 39-2370
- Terricolous lichens of southern tundras in Taymyr. Pinn, T.Kh., (1984, p.134-172, rus) 39-2371
- Vegetation of western Siberia and its mapping. Belov, A.V., ed. (1984, 120p., rus) 39-2573
- Zonal subdivision of tundra vegetation in the West Siberian Plain. Mel'tser, L.I., (1984, p.7-19, rus) 39-2575
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- Phytocenoses of northern bogs. Kustova, N.V., (1984, p.76-106, rus) 39-2578
- Symposium on the use of mathematical modeling in ecological investigations of forests and swamps, Aug. 21-23, 1984. Summaries. (1984, 136p., rus) 39-2580
- Models simulating raised bogs. Svirezhev, I.U.M., et al. (1984, p.6-11, rus) 39-2581
- Systems approach and mathematical modeling of forest ecosystems. Atroschenko, O.A., (1984, p.18-22, rus) 39-2582
- Studying ecosystems of pool-and-ridge bogs. Ivanov, K.E., (1984, p.30-35, rus) 39-2583
- Qualitative model of long-range dynamics of paludal forests. Glebov, F.Z., et al. (1984, p.73-77, rus) 39-2586
- Modeling water regime of raised bogs. Rusetskaya, I.U.I.U., (1984, p.90-95, rus) 39-2588
- Adaptation of meadow plants in tundra zones. Zankha, L.L., (1984, p.53-58, rus) 39-2646
- Plant adaptations and structure of Arctic plant communities. Matveeva, N.V., (1984, p.101-107, rus) 39-2652
- Vegetation of the Chukotskiy Peninsula. Razzhivin, V.I.U., (1984, p.155-159, rus) 39-2659
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- Comparing local floras of the Chukotskiy Peninsula. Kozhevnikov, I.U.P., (1985, p.314-321, rus) 39-2983
- Alpine mossy larch forest of the Zeya State Reserve on the Tukuringa Range. Kuvaev, V.B., et al. (1985, p.221-231, rus) 39-2986
- History of vegetational cover in northern Asia. Malyshev, L.I., ed. (1984, 161p., rus) 39-3003
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- Review of studies of flora in Yakutia. Savkina, Z.P., et al. (1984, p.12-29, rus) 39-3011
- Living tundra. Chernov, I.U.I., (1985, 213p., eng) 39-3270
- Alpine-meadow soils of the northern Caucasus. Makarov, M.I., (1985, p.71-73, rus) 39-3306
- Dynamics of forest ecosystems in the Subarctic. Plotnikov, V.V., (1984, 128p., rus) 39-3344
- Vegetation of Siberia (the areas east and west of Lake Baykal). Peshkova, G.A., (1985, 145p., rus) 39-3381
- Flora of altitudinal belts in Pamirs. Ukhacheva, V.N., (1984, p.64-69, rus) 39-3547
- Peat bogs, their natural and economic significance. Pivachenko, N.I., (1985, 152p., rus) 39-3592
- Problems of optimizing Siberian ecosystems affected by technology. Trofimov, S.S., et al. (1985, p.3-12, rus) 39-3626
- Structure and successions of algal cenoses in recultivated ecosystems of southern Kuzbass. Shushueva, M.G., (1985, p.85-93, rus) 39-3631
- Relict plant communities in western Chukotskiy Peninsula. Koritakina, L.T., et al. (1985, p.32-38, rus) 39-3745
- See also: Ecology; Forest ecosystems; Plant ecology
- Ecuador
- Glaciation of the Cotopaxi, Ecuador. Jordan, E., (1983, p.73-102, eng) 39-1634
- Edoma complex
- Cryogenic structure of Edoma formation in the Alazeya River outcrop. Korolev, S.I.U., (1984, p.104-110, rus) 39-847
- New data on the origin of the Edoma complex. Tomirdiario, S.V., et al. (1984, p.1446-1449, rus) 39-1636
- Elastic properties
- Nonmetallic materials at low temperature. Hartwig, G., ed. (1982, 399p., eng) 39-529
- Dynamic problem of interactions between elastic bodies and ice-field surfaces. Kovalenko, E.V., (1982, p.244-251, eng) 39-2198
- See also: Ice elasticity; Viscoelasticity
- Elastic waves
- Ice sheet vibration due to the movement of a cylindrical structure. Luk, C.H., (1984, p.160-168, eng) 39-83
- Observations of volcanic tremor at Mount St. Helens volcano. Fehler, M., (1984, p.3476-3484, eng) 39-325
- Electric charge
- Electrification accompanying melting of ice and snow. Selvikian, I.A.V., (1984, p.51-54, rus) 39-460
- Electrical impulses for aircraft de-icing. Whittington, H., (1984, p.40, eng) 39-597
- Electric equipment
- New electrical triggering device for explosives transported by cable. Berard, A.E., et al. (1984, p.23-28, fre) 39-499
- Power supply to the eastern section of the BAM. Bura, I.K., et al. (1984, p.16-17, rus) 39-1166
- Electric system of a device for deicing the surface of thinwalled structures. Levin, I.A., (1973, 6 col. + figs., eng) 39-3847
- Performance of equipment in low-voltage electric boiler rooms. Kapitonov, V.N., et al. (1977, p.14-32, rus) 39-3988
- Safety of electrical equipment in Yakutia. Khungeev, A.M., et al. (1977, p.46-52, rus) 39-3989
- Electric fields
- Studying frozen rocks in ultra-high-frequency electromagnetic fields. Nekrasov, L.B., et al. (1983, p.96-105, rus) 39-1158
- Studying changes in frozen rocks in ultra-high-frequency fields. Nekrasov, L.B., et al. (1983, p.105-118, rus) 39-1159
- Electric heating
- Heat losses related to structures of heaters. Ral'chuk, N.T., (1984, p.105-109, rus) 39-135
- Melting of ice on power lines. Sinel'nikov, V.I.A., et al. (1984, p.53-55, rus) 39-423
- Winter maintenance of signaling, interlocking and blocking devices in winter. Shtul'man, M.A., et al. (1984, 72p., rus) 39-1239
- Protection of rectifier valves in ice melting devices. Seredin, M.M., et al. (1984, p.67-69, rus) 39-1553
- Electrically heated steel formwork for winter concreting. Minakov, I.U.A., et al. (1984, p.12-13, rus) 39-1556
- Concrete mixers with heated bodies for cold regions. Ostromogol'skiy, V.I., et al. (1984, p.13-14, rus) 39-1557
- Electrical thawing of frozen soils. Jumikis, A.R., (1984, p.333-337, eng) 39-2181
- Parameters and schemes for substituting overhead power lines in ice-melting circuits of the wire-wire type. Zhezhelanko, I.V., et al. (1985, p.3-8, rus) 39-3543
- Snow-melting system, 9th Street and I 64, Louisville. Azevedo, W.V., (1982, 31p., eng) 39-3717
- Determining the power of heating elements needed for heated floors of modular buildings. Kazantsev, I.A., et al. (1984, p.21-22, rus) 39-3772
- Electrical deicer. Spencer, J.H., Jr., et al. (1965, 4 col. + figs., eng) 39-3831
- Deicing apparatus. Liardi, V.L., (1970, 4 col., eng) 39-3837
- Device for deicing rails. Obata, Y., (1972, 4 col. + figs., eng) 39-3844
- Electrically heated air data sensing device. Doremus, J.A., et al. (1978, 6 col., eng) 39-3853
- Electric power
- Performance of mechanical equipment of hydroelectric power plants under northern conditions. Martenson, V.I.A., (1984, p.31-34, rus) 39-894
- Economic development of the Chita section of BAM. Zadorozhnyi, V.F., et al. (1984, p.101-108, rus) 39-904
- Power supply to the eastern section of the BAM. Bura, I.K., et al. (1984, p.16-17, rus) 39-1166
- Experimental modular transformer sub-stations. Nartsisov, O.A., et al. (1984, p.23-24, rus) 39-1256
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- Engineering and geological investigations for power plant construction. Kagan, A.A., et al. (1984, p.47-51, rus) 39-1596
- Wind power generation in the Arctic. Sidorov, V.V., et al. (1984, p.32-34, rus) 39-1640
- Protecting electric power sub-stations from snowdrifts. Malevannaya, N.G., et al. (1984, p.42-44, rus) 39-2103
- Power plant installation manual for Australian antarctic stations. (1981, n.p., eng) 39-2190
- Hydroelectric stations on Siberian rivers. Gotlib, I.A.L., (1984, p.86-90, eng) 39-2548
- Support of construction activities during rebuilding of Australia's antarctic stations. Holmes, I.E.B., (1983, p.274-279, eng) 39-2617
- New design concept for Halley Station. Smith, A., (1983, p.316-325, eng) 39-2620
- Technical concepts of the antarctic stations Georg-Von-Neumayer and Filchner of the Federal Republic of Germany. Mannhardt, S., (1983, p.338-347, eng) 39-2622
- Scientific-practical conference on the topic "Man and nature in the Far East", Vladivostok, Oct. 4-5, 1984. Summaries. Krasnov, E.V., ed. (1984, 166p., rus) 39-3059
- Ecological aspects of economic development of the North. Bud'kov, S.T., (1984, p.79-80, rus) 39-3062
- Environmental impact of power plant construction. Vas'kovskiy, A.P., et al. (1984, p.80-82, rus) 39-3063
- Environmental impact of the Kan-Achinsk Fuel and Energy Complex. Grudinin, G.V., (1984, p.132-142, rus) 39-3345
- Operation of mechanical equipment in cold regions. Polonskiy, G.A., (1985, p.418-426, eng) 39-3816
- Machines used in BAM construction. Chelombiev, V.N., et al. (1985, p.32-33, rus) 39-3822
- Power engineering of the Yakut ASSR. Chudinov, G.M., (1977, p.3-13, rus) 39-3987
- Performance of equipment in low-voltage electric boiler rooms. Kapitonov, V.N., et al. (1977, p.14-32, rus) 39-3988
- Safety of electrical equipment in Yakutia. Khungeev, A.M., et al. (1977, p.46-52, rus) 39-3989
- Energy: Alaska. Davis, N., (1984, 530p., eng) 39-4002
- See also: Nuclear power; Wind power generation
- Electrical conductivity
- See: Electrical resistivity
- Electrical grounding
- Effectiveness of using railroad tracks in the capacity of electrical grounding for railroad power supply systems in permafrost areas. Kosarev, B.I., et al. (1984, p.21-25, rus) 39-430
- Conductive backfill for improving electrical grounding in frozen soils. Sellmann, P.V., et al. (1984, 19p., eng) 39-561
- Electrification of the western section of the BAM. Morits, E.I.A., (1984, p.15-16, rus) 39-1165
- Lightning protection in permafrost areas. Zarkhi, I.M., et al. (1983, p.42-45, 101, rus) 39-2380
- Reliability of electric power supply under conditions of the North. Chudinov, G.M., ed. (1977, 117p., rus) 39-3986
- Power engineering of the Yakut ASSR. Chudinov, G.M., (1977, p.3-13, rus) 39-3987
- Seasonal variations of grounding resistance. Grachev, V.N., et al. (1977, p.71-78, rus) 39-3990
- Safety of electrical installations in industrial complexes. Maksimenko, N.N., et al. (1977, p.79-93, rus) 39-3991
- Salt and coal-dust treatment of frozen ground around electrical grounding. IAKushev, M.V., et al. (1977, p.94-99, rus) 39-3992
- Electrical insulation
- Minimum flashover voltage of ice insulators. Phan, L.C., et al. (1983, p.605-618, eng) 39-668
- Electrical measurement
- Catalog of smoke/obscurant characterization instruments. O'Brien, H.W., et al. (1984, p.77-82, eng) 39-2950
- Electrical properties
- See also: Dielectric properties; Ice electrical properties; Snow electrical properties
- Electrical resistivity
- Two-phase model of electrical conduction in polar ice sheets. Wolff, E.W., et al. (1984, p.9433-9438, eng) 39-548
- Conductive backfill for improving electrical grounding in frozen soils. Sellmann, P.V., et al. (1984, 19p., eng) 39-561
- Resistivity logging of frozen rocks. Snegirev, A.M., (1984, p.295-299, eng) 39-2176
- Lightning protection in permafrost areas. Zarkhi, I.M., et al. (1983, p.42-45, 101, rus) 39-2380
- Offshore arctic geotechnical engineering. Corwin, R.F., (1985, p.137-143, eng) 39-3167
- Ice conductivity during thunderstorms. Illingworth, A.J., et al. (1985, p.6033-6039, eng) 39-3681
- Electrical resistivity of ice from the Antarctic Peninsula. Reynolds, J.M., et al. (1984, p.289-295, eng) 39-3777
- Electrical resistivity soundings of glacier beds. Haeblerl, W., et al. (1984, p.373-376, eng) 39-3791
- Electrical soundings of some rock glaciers and moraines in the southern Alps of France. Evvin, M., (1984, p.127-137, fre) 39-3928
- Salt and coal-dust treatment of frozen ground around electrical grounding. IAKushev, M.V., et al. (1977, p.94-99, rus) 39-3992

- Electricity**
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- Electromagnetic properties**
Electromagnetic properties of sea ice. Morey, R.M., et al. (1984, p.33-75, eng) 39-332
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Discussion: Electromagnetic properties of sea ice by R.M. Morey, A. Kovacs and G.F.N. Cox. Arcone, S.A., (1984, p.93-94, eng) 39-1626
Authors' response to discussion on: Electromagnetic properties of sea ice. Morey, R.M., et al. (1984, p.95-97, eng) 39-1627
Electromagnetic transmission in falling snow. Dyer, R.M., (1984, 33p., eng) 39-2920
Performance of microprocessor-controlled snow crystal replicator. Koh, G., (1984, p.107-111, eng) 39-2954
Backscatter from snow at mm wavelengths. Branscum, J., et al. (1984, p.221-231, eng) 39-2963
Extinction models for falling snow, blowing snow, and snow with fog. Seagraves, M.A., (1984, p.235-245, eng) 39-2964
Study of laser deicing. Gajda, W.J., (1983, 40p., eng) 39-3922
- Electromagnetic prospecting**
Surveys of earthquake areas in permafrost zones. Pavlov, O.V., et al. (1982, p.63-67, rus) 39-33
Remote sensing: a tool for northern development. Pallister, J., (1984, p.16-21, eng) 39-541
Conference of young scientific associates on the geology and geophysics of eastern Siberia, 11th, Irkutsk, Apr. 17-19, 1984. Summaries. Laperdin, V.K., ed. (1984, 240p., rus) 39-915
Computer processing of electrical sounding data of permafrost. Dmitriev, A.G., et al. (1984, p.189-190, rus) 39-925
Electromagnetic technique of locating water-bearing zones in permafrost. Kolchin, G.I., et al. (1984, p.77-80, rus) 39-1357
Geophysical and glaciological investigations near Filchner and GVN Stations. Thyssen, F., et al. (1984, p.64-70, ger) 39-1603
Locating boulder accumulations and sporadic permafrost when mining placers. Matveev, A.A., et al. (1983, p.14-18, rus) 39-3546
- Electron microscopy**
Observations on ice layers. Heide, H.-G., (1984, p.271-278, eng) 39-1224
Electron microscopy and molecular theory of microstructured fluids. Falls, A.H., (1982, 356p., eng) 39-1405
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Using electronic measurement equipment in winter. Atkins, R.T., (1981, 7p., eng) 39-2092
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Reducing frost heave. Baker, G.C., et al. (1984, p.10-15, eng) 39-81
- Elevation**
See: Altitude
- Embankments**
Aerial surveys of gas pipelines. Marakhtanov, V.P., et al. (1984, p.35-37, rus) 39-123
Cost of railroad transportation of earth in freezing weather. Drukker, A.V., (1984, p.6-7, rus) 39-130
Construction of railroads and associated buildings in permafrost areas. Smirnova, E.A., (1984, p.60-64, rus) 39-133
Heat transfer between pipelines and permafrost. Gokhman, M.R., (1984, p.243-247, eng) 39-152
Changes in permafrost induced by construction. Akparisova, G.V., (1984, p.16-26, rus) 39-410
Inclined drainage of earth dams in the North. Moshkova, M.A., et al. (1980, p.52-55, rus) 39-753
Changes in natural conditions induced by railroads. Mushakov, A.A., (1984, p.139-140, rus) 39-919
Increasing seismic stability of earth dams. Natarius, I.A.I., (1984, 88p., rus) 39-928
Construction of main pipelines in western Siberia. IAgovkin, V.N., (1984, p.12-13, rus) 39-1031
Eastern section of the BAM. Makartsev, M.K., (1984, p.5-8, rus) 39-1161
Power supply to the eastern section of the BAM. Buza, I.K., et al. (1984, p.16-17, rus) 39-1166
Organization of bridge construction in the western section of the BAM. Rasskazov, I.D., et al. (1984, p.17-19, rus) 39-1167
Seismic stability of bridges. Shestoporov, G.S., (1984, 143p., rus) 39-1238
Calculating settlement of embankments built on permafrost. Guletskii, V.V., et al. (1984, p.8, rus) 39-1254
Design and construction equipment for BAM area problems. Shmakov, V.P., (1984, p.31-35, rus) 39-1257
Strengthening frozen bases by cooling. Gapev, S.I., (1984, 152p., rus) 39-1322
Blasting of earth in the construction of main pipelines and underground storages. Globa, V.M., (1984, 239p., rus) 39-1356
- Baykal Amur railroad: the first decade. Aganbegian, A.G., ed. (1984, 208p., rus) 39-1408
Ways of improving the effectiveness of using the VPR-1200 and VPRS-500 construction machines. Gashkov, B.V., (1985, p.4-7, rus) 39-2031
Blasting techniques used in construction on water-saturated ground. Smirnov, A.G., et al. (1984, 216p., rus) 39-2069
Efficient control of embankment thickness in construction on swamps. IAranko, V.N., (1984, p.4-5, rus) 39-2107
Blasting technique for building embankments in swamps. Smirnov, A.G., et al. (1984, p.12-13, rus) 39-2108
Design and performance of road and railway embankments on permafrost. Esch, D.C., (1984, p.25-30, eng) 39-2123
Thermal regime of subgrades during their freezing and thawing. Ashpiz, E.S., (1982, p.10-15, rus) 39-2519
Estimating service life of excavators in permafrost areas. Lutskil, S.I.A., et al. (1983, p.12-20, rus) 39-2824
Modeling roadbed construction with permafrost preservation. Ivanov, M.I., et al. (1983, p.21-27, rus) 39-2825
Site surveying for smaller structures in permafrost areas. Druzhinin, M.K., (1985, p.18-19, rus) 39-2864
Organization of railroad construction in northern regions. Lutskil, S.I.A., et al. (1985, p.48-50, rus) 39-2868
Problems of accelerated construction of roadbeds in polar areas. Freidin, I.A.I., (1985, p.9, rus) 39-3113
Stresses in railroad embankments built in northern swamps. Derbentsev, A.S., et al. (1985, p.9-10, rus) 39-3114
Calculating ultimate strength of embankment foundations for swamps. Lobanov, I.Z., (1985, p.10-11, rus) 39-3115
Construction and performance of pavement over muskegs. Keyser, J.H., et al. (1984, p.68-80, eng) 39-3419
Fine and dusty sands used as frost-heave protection in railroad tracks. Bredniuk, G.P., et al. (1985, p.13-14, rus) 39-3820
Design and construction of couch-type abutments inside embankments. Pysko, L.V., (1985, p.19-29, rus) 39-3821
Machines used in BAM construction. Chelombiev, V.N., et al. (1985, p.32-33, rus) 39-3822
Earthwork for the construction of self-flowing thermoplastic pipelines. Ostavnov, A.A., (1985, p.38-43, rus) 39-3823
Experimental rheology of clay soils. Meschian, S.R., (1985, 342p., rus) 39-3908
Winter maintenance of roads during considerable snowdrifting. Filippov, I.V., (1983, p.10-12, rus) 39-3918
Height of embankments free of snowdrifts. Bialobzhetskii, G.V., (1983, p.14-16, rus) 39-3919
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Studying the emissivity of ice and snow covers. Belich, R.B., (1984, p.91-102, rus) 39-1134
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Simple device to improve low temperature driving. Coutts, J., (1984, p.36-37, eng) 39-2764
- Engineering**
Proceedings, Vol.2. Engineering mechanics in civil engineering. (1984, p.735-1547, eng) 39-108
Cold regions engineering in Norway. Flaate, K., (1983, p.5-6, eng) 39-312
Cold ocean engineering bibliography. Goodwin, C.R., ed. (1984, 169p., eng) 39-395
Permafrost research: an assessment of future needs. (1983, 121p., eng) 39-1514
Reliability of ice-structure interaction load predictions. Bercha, F.G., et al. (1984, p.157-173, eng) 39-1801
Deployment of Beaudril Molikpak at Tarsiut. Jefferies, M.G., et al. (1984, 32p. + figs., eng) 39-1854
Engineer's pothole repair guide. Eaton, R.A., et al. (1984, 12p., eng) 39-2096
Design and performance of road and railway embankments on permafrost. Esch, D.C., (1984, p.25-30, eng) 39-2123
Subsea permafrost and petroleum development. Jahns, H.O., (1984, p.90-92, eng) 39-2134
Great Lakes harbor and its design for ice conditions. Wortley, C.A., (1984, 227p., eng) 39-3034
Engineering in the Beaufort, Chukchi and Bering Seas. Dobson, B.M., et al. (1985, p.812-819, eng) 39-3226
Engineering in the Alaskan offshore. Sackinger, W.M., (1985, p.44-49, eng) 39-3328
Sea ice management. Denner, W., (1985, p.89-92, eng) 39-3333
Ice engineering in 1984. Michel, B., (1984, p.301-325, eng) 39-3503
Arctic research needs in civil engineering. Haneman, V., ed. (1985, 199p., eng) 39-3715
See also: Avalanche engineering; Military engineering; Municipal engineering; Sanitary engineering
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Spaceborne photography in road construction. Revzon, A.L., et al. (1984, p.15-17, rus) 39-354
- Engineering and geocryological investigations. Deriugin, A.G., ed. (1984, 76p., rus) 39-407
Engineering-geologic maps of northern Alaska, Barrow quadrangle. Williams, J.R., et al. (1984, 38p., eng) 39-542
Pipeline construction in cold, swampy regions. Tikhonov, A.I., et al. (1984, 81p., rus) 39-938
Soils and geological conditions of the Nechernozem'e. Sergeev, E.M., ed. (1984, 608p., rus) 39-1424
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Engineering and geological investigations for power plant construction. Kagan, A.A., et al. (1984, p.47-51, rus) 39-1596
International Conference on Permafrost, 4th, 1983; Final proceedings. (1984, 413p., eng) 39-2120
Geotechnical and engineering significance of subsea permafrost. Hayley, D.W., (1984, p.93-95, eng) 39-2135
Impact of installations for the extraction and transport of gas on permafrost conditions in western Siberia and comprehensive engineering geology forecasting of resultant changes. Zakharov, I.U.F., et al. (1984, p.173-176, eng) 39-2151
Engineering geocryology in the USSR: a review. Vialov, S.S., (1984, p.177-185, eng) 39-2152
Principles of terrain classification for pipeline construction. Demiduk, L.M., et al. (1984, p.217-221, eng) 39-2160
Problems of engineering glaciology. Osokin, N.I., (1984, p.215-219, rus) 39-2794
On engineering geological survey in alpine permafrost regions of West China. Qiu, G., (1980, p.17-23, chi) 39-3696
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See also: Diesel engines
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Solution of phase change problems. O'Neill, K., (1983, p.134-146, eng) 39-3965
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See: Air entrainment
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AGCM simulations of the modern antarctic climate. Schlesinger, M.E., (1984, p.155-196, eng) 39-1507
Modeling the oceanic environment of West Antarctica. Semtner, A.J., Jr., (1984, p.197-211, eng) 39-1508
Numerical simulation of Northern Hemisphere sea ice variability, 1951-1980. Walsh, J.E., et al. (1985, p.4847-4865, eng) 39-3431
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Basic problems in studying fungi in the Far North. Abramov, I.I., et al. (1973, p.331-332, rus) 39-451
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International Conference on Oil and the Environment, Halifax, 1982. (1983, 274p., eng) 39-730
Ice-related flood damage estimation. Yoe, C.E., (1984, p.141-152, eng) 39-784
Man and nature in the BAM zone (environmental protection and the use of natural resources). Vorobiev, V.V., ed. (1984, 156p., rus) 39-901
Economic development of the Chita section of BAM. Zadorozhnyi, V.F., et al. (1984, p.101-108, rus) 39-904
Changes in natural conditions induced by railroads. Mushakov, A.A., (1984, p.139-140, rus) 39-919
Oil spills: damage and recovery in tundra and taiga. Linkins, A.E., et al. (1984, p.135-155, eng) 39-1180
Environmental impact of human activities. Kontoboltseva, I.S., et al. (1984, p.11-18, rus) 39-1386
Changes in natural conditions induced by human activities. Saks, V.N., ed. (1984, 176p., rus) 39-1415
Environmental impact of flow control of Siberian rivers. Savkin, V.M., et al. (1984, p.26-33, rus) 39-1418
Hydrometeorological changes in the Yenisei complex area. Titova, I.U.V., et al. (1984, p.63-77, rus) 39-1419
All-Union Seminar on environmental impact of industry, Zvenigorod, Dec. 4-8, 1984. Summaries of reports. Krivolutski, D.A., ed. (1984, 240p., rus) 39-1425
Pollution of moss cover in northern taiga by industrial wastes. Andreeva, E.N., (1984, p.8-9, rus) 39-1426
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Biodegradation of hydrocarbons in the petroleum-polluted soil of northern taiga. Kazakova, E.N., et al. (1984, p.84-85, rus) 39-1429
Bioindication of natural environment in the Far North. Kruchkov, V.V., (1984, p.106-108, rus) 39-1431
Interaction of oil and arctic sea ice. Thomas, D.R., (1984, p.441-460, eng) 39-1884
Terrain sensitivity and recovery in arctic regions. Webber, P.J., (1984, p.135-136, eng) 39-2144

- Some terrain and land-use problems associated with
exploratory wellsites, Northern Yukon Territory. French, H.M., (1984, p.365-385, eng) 39-2270
- Environmental impact of mining in permafrost areas. Rikhsaninov, E.A., (1984, p.129-135, rus) 39-2339
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- Environmental impact of the Kan-Achinsk Fuel and Energy Complex. Grudinin, G.V., (1984, p.132-142, rus) 39-3345
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- Arctic research needs in civil engineering. Haneman, V., ed, (1985, 199p., eng) 39-3715
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- Environmental protection in permafrost areas. Leashchikov, F.N., et al, (1982, p.113-118, rus) 39-36
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- Prudhoe Bay Waterflood Project; Environmental monitoring program 1983. (1984, 3 vols., eng) 39-154
- Hydrochemistry of rivers and lakes in the Buryat ASSR. Obozhin, V.N., et al, (1984, 151p., rus) 39-482
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- Arctic hydrocarbon transportation systems in the 21st century. Lanan, G.A., et al, (1984, p.45-53, eng) 39-577
- Environmental protection in northern river basins. Belyotserkovskii, M.I.U., et al, (1984, p.3-9, rus) 39-579
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- United States Arctic interests: the 1980s and 1990s. Westermeyer, W.E., ed, (1984, 369p., eng) 39-1012
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- Development of the Yamburg gas field and environmental protection. Zakharov, I.U.F., (1985, p.8-9, rus) 39-2026
- Hydrogeological conditions of the non-chernozem zone of the R.S.F.S.R. Kulikov, G.V., (1983, 338p., rus) 39-2070
- International Conference on Permafrost, 4th, 1983; Final proceedings. (1984, 413p., eng) 39-2120
- Development and environmental protection in the permafrost zone of the USSR: a review. Grave, N.A., (1984, p.116-124, eng) 39-2140
- Federal regulatory responsibilities in permafrost environments. McVee, C.V., et al, (1984, p.125-128, eng) 39-2142
- Terrain and environmental problems associated with exploratory drilling, northern Canada. French, H.M., (1984, p.129-132, eng) 39-2142
- Petroleum exploration and protection of the environment on the National Petroleum Reserve in Alaska. Brewer, M.C., (1984, p.133-134, eng) 39-2143
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- Environments**
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- See also specific types of equipment
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- See also: Avalanche erosion; Glacial erosion; Ice erosion; Shore erosion; Soil erosion; Water erosion; Wind erosion
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- Prediction of ice formation for the Eastern Scheldt in the Netherlands. Pilarczyk, K.W., (1984, p.223-232, eng) 39-1770
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- Hydrological studies of the Ob' River estuary during the expedition of 1977-1979. Zhizhanov, A.V., (1984, p.51-62, rus) 39-2015
- Heat sink of the Yenisey River in its estuarine area. Kurzhunov, A.N., (1984, p.66-74, rus) 39-2016
- Forecasting ice conditions in estuaries of northern rivers. Ivanov, V.V., et al, (1984, p.75-80, rus) 39-2017
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- Evaporation**
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- See also: Ice sublimation; Snow evaporation; Sublimation; Transpiration
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- Percussion-shattering of perennially frozen rocks. Fedulov, A.I., et al, (1983, p.125-131, rus) 39-422
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- Predicting optimal service life of quarry excavators under conditions of the North. Makhno, D.E., et al, (1984, p.92-95, rus) 39-800
- Classification of frozen ground according to resistance to excavation. Beliaikov, I.U.I., et al, (1984, p.89-92, rus) 39-895
- Seismic effect of detonating explosives in permafrost. Gloszman, L.M., et al, (1984, p.40-45, rus) 39-961
- Modern methods of frozen ground excavation. (1984, p.43, rus) 39-1035
- Assembly for testing percussion excavators. Kuz'menko, V.V., et al, (1985, p.30-31, rus) 39-2032
- Application of microwave energy for accelerating excavation in frozen soil. Misnick, I.U.M., et al, (1984, p.268-272, eng) 39-2170
- Electrical thawing of frozen soils. Jumikis, A.R., (1984, p.333-337, eng) 39-2181
- Construction equipment used in cold regions. Beliaikov, I.U.I., et al, (1985, p.36-37, rus) 39-2867
- Specifics of operating complexes of earthwork machines in the North. Garkavi, N.G., (1985, p.86-91, rus) 39-2883
- Breaking rocks by explosions. Kutuzov, B.N., ed, (1984, 248p., rus) 39-3393
- Pit-charge blasting techniques used in BAM construction. Budanov, A.S., et al, (1984, p.157-162, rus) 39-3401
- Artificial ground freezing in civil engineering. Harris, J.S., (1984, p.1-6, eng) 39-3407
- See also: Earthwork; Rock excavation; Trenching; Tunneling (excavation)
- Expansion**
- See: Thermal expansion
- Expeditions**
- Studying winter state of different landscapes. Beruchashvili, N.L., et al, (1984, p.78-82, rus) 39-39
- 25 years research activities of the GDR in the Antarctic. (1984, 64p., eng) 39-455
- Arctic news record, Summer 1984, Vol.3 No.2. (1984, 62p., eng) 39-1203
- Norwegian Polar Research Institute's 1984-85 Antarctic Expedition. (1984, p.39, eng) 39-1205
- Unveiling the secrets of the ice continent. Zotikov, I.A., (1984, 248p., rus) 39-1369

Expeditions (cont.)

- Antarctica II/4 Expedition, 1983/84. Kohnen, H., ed. (1984, p.1-185, ger) 39-1599
- Ivan Papanin—hero of the Arctic. Documented essay. Tikhomirov, G.S., (1984, 188p., rus) 39-2240
- Japanese geomorphological research in the Lützow-Holm Bay region. Yoshida, Y., (1984, p.2-8, jpn) 39-2273
- My polar travels. Treshnikov, A.F., (1985, 478p., rus) 39-3348

See also: Traverses**Expenses****See: Cost analysis****Experimentation**

- Studying taiga vegetation in the Severnaya research station. Orlov, A.I.A., (1984, p.36-57, rus) 39-1414
- Influence of grain-size constituent on frost heave in fine sand. Wang, Z., (1980, p.24-28, chi) 39-3697

Exploration

- Natural salt extracts and their value for prospecting in permafrost areas. Kokin, A.V., (1984, p.37-44, rus) 39-317
- Geochemical surveys in taiga. Lomonosov, I.S., et al., (1983, p.50-61, rus) 39-467
- Arctic exploration and production structures. Rojansky, M., (1984, p.31-38, eng) 39-575
- Autonomous submersible vehicles in Canadian offshore exploration. Muirhead, M.J., (1984, p.58-61, eng) 39-740

- Methods of geochemical exploration used in northern Siberia. Polikarpovich, V.V., ed. (1984, 177p., rus) 39-1190

Landscape geochemistry of northern Siberia.

- Perelman, A.I., et al., (1984, p.18-26, rus) 39-1192

Geochemical exploration in permafrost areas.

- Pitul'ko, V.M., (1984, p.42-45, rus) 39-1194

Geochemical exploration of bald-peak landscapes.

- Taishev, T.T., (1984, p.61-67, rus) 39-1197

Using mercury vapor lamps in mining exploration in permafrost.

- Sveshnikov, G.B., et al., (1984, p.150-153, rus) 39-1202

Antarctic exploration by airplane.

- Schmid, R., (1985, p.102-104, ger) 39-3125

Sand and gravel on Alaska's North Slope.

- Williams, D.C., et al., (1985, p.626-633, eng) 39-3210

Permeability of permafrost with respect to migrating hydrocarbon gases.

- Starobinets, I.S., et al., (1985, p.24-27, rus) 39-3256

Oil, strategy & ocean law in the Arctic: a scenario for the 21st century.

- Ostrem, W., (1985, p.99-116, eng) 39-3335

Petroleum exploration and environmental protection in Alaska.

- Brewer, M.C., (1985, p.203-205, eng) 39-3339

Exploration and production concepts and projects for Arctic offshore.

- Frederking, R.M.W., (1984, p.387-414, eng) 39-3507

Explosion effects

- Frozen soil characteristics that affect land mine functioning. Richmond, P.W., (1983, 18p., eng) 39-96

Seismic effect of explosion in frozen and hard rocks.

- Iakovlev, S.V., et al., (1984, p.27-29, rus) 39-411

Computer simulation of ice breaking by explosion and impact.

- Mansour, A., (1982, 335p., eng) 39-1403

Blasting frozen rocks on construction sites.

- Drogovalko, I.Z., et al., (1984, p.125-130, rus) 39-3395

Propelling-charge effect in frozen and thawed ground.

- Frash, G.B., et al., (1984, p.140-143, rus) 39-3398

See also: Blasting; Nuclear explosions**Explosives****New electrical triggering device for explosives transported by cable.**

- Berard, A.E., et al., (1984, p.23-28, fre) 39-499

Seasonal soil conditions and the reliability of the M15 land mine.

- Richmond, P.W., et al., (1984, 35p., eng) 39-562

Seismic effect of detonating explosives in permafrost.

- Glozman, L.M., et al., (1984, p.40-45, rus) 39-961

Blasting of earth in the construction of main pipelines and underground storages.

- Globo, V.M., (1984, 239p., rus) 39-1356

Explosive obscuration sub-test results at the SNOW-TWO field experiment.

- Ebersole, J.F., et al., (1984, p.347-354, eng) 39-2973

Blasting frozen rocks on construction sites.

- Drogovalko, I.Z., et al., (1984, p.125-130, rus) 39-3395

Propelling-charge effect in frozen and thawed ground.

- Frash, G.B., et al., (1984, p.140-143, rus) 39-3398

Exposure**See: Slope orientation****Extraterrestrial ice****Comparative planetology. Section S.19. Proceedings.**

- Vol.19 (1984, 142p., rus) 39-1451

Fluvial history of the planet Mars.

- Karr, M.H., (1984, p.22-32, rus) 39-1452

Structure of the cryolithosphere of the planet Mars.

- Kuz'min, R.O., (1984, p.32-39, rus) 39-1453

Effect of ice strength on crater scaling relations.

- Gaffney, E.S., (1984, p.121-123, eng) 39-1934

Extraterrestrial ice.

- Klinger, J., (1984, p.1060-1070, fre) 39-2053

Ice satellites of Jupiter and Saturn.

- Ahrens, T.J., et al., (1984, 44p., eng) 39-2090

Mars residual north polar cap.

- Jakosky, B.M., (1983, p.4329-4330, eng) 39-2212

Planetology in the laboratory with ice.

- Thomsen, D.E., (1984, p.133, eng) 39-2454

Migration of chemical elements in the cryolithosphere.

- Makarov, V.N., ed. (1985, 129p., rus) 39-3351

Cryosphere and cryopegs of the Earth and planets.

- Tolstikhin, N.I., (1985, p.13-21, rus) 39-3353

Ice on planets of the solar system.

- Krass, M.S., (1984, p.259-274, eng) 39-3774

Precipitation of ice at low latitudes of Mars.

- Jakosky, B.M., et al., (1985, p.559-561, eng) 39-3906

Extraterrestrial material**See: Cosmic dust****Falkland Islands****Morphometric analysis of the stone run.**

- Anderson, Belloi, E.S., et al., (1984, p.19-36, spa) 39-3941

Argentine and Chilean tundra between parallels 51 and 56.

- Roig, F.A., (1984, p.174-196, spa) 39-3949

Falling bodies**Melting of spherical ice particles falling at terminal velocity in air.**

- Rasmussen, R.M., (1982, 416p., eng) 39-2059

Fallout**Accumulation of Strontium-90 and cesium-137 in lichens.**

- Nifontova, M.G., (1981, p.101-102, rus) 39-76

Fission products in firn, Austria.

- Ambach, W., et al., (1983, p.199-200, ger) 39-107

Snow cover as an indication of radiation effect on biogeocenoses.

- Golubeva, E.I., et al., (1984, p.41-42, rus) 39-1427

Pu-240/Pu-239 ratio, a potential geochronometer.

- Koide, M., et al., (1985, p.1-8, eng) 39-2926

Record of global pollution in polar snow and ice.

- Wolff, J.W., et al., (1985, p.535-540, eng) 39-2927

Behavior of Sr-90 and Cs-137 in soils and their accumulation in plants.

- Aliiev, D.A., et al., (1985, p.85-89, rus) 39-3110

Gamma-dose exposure measurements in Chilean Antarctica.

- Stuardo, B., et al., (1984, p.9-21, spa) 39-3312

Be-10 variations in polar ice cores.

- Beer, J., et al., (1985, p.66-70, eng) 39-3568

Fallout from the atmosphere in the Arctic and Antarctic.

- Koide, M., et al., (1985, p.95-100, eng) 39-3573

Oscillations in the concentration of artificial radionuclides in the waters of the Baltic and North seas in 1977-1982.

- Styro, D.B., et al., (1985, p.835-838, eng) 39-3916

Fast ice**Wave attenuation by floating ice.**

- Popov, B.A., (1984, p.58-60, rus) 39-581

Effect of tangential wind and water stresses on fast ice.

- Gudkovich, Z.M., (1984, p.99-110, eng) 39-693

Under ice ambient noise measurement.

- Dwyer, R.F., (1984, 15p., eng) 39-945

Physical conditions of fast ice formation in East Antarctica.

- (1979, p.1-15, eng) 39-1365

On the critical angle for ocean waves entering shore fast ice.

- Squire, V.A., (1984, p.59-68, eng) 39-1622

Field study of rough shore-fast sea ice.

- Hanley, T.O., (1984, p.230-234, eng) 39-1680

Regularity of the freezing-up of the water surface and heat exchange between water body and water surface.

- Matoušek, V., (1984, p.187-200, eng) 39-1767

Recent developments on mathematical modelling of winter thermal regime of rivers.

- Marcotte, N., (1984, p.201-210, eng) 39-1768

How waves break up inshore fast ice.

- Squire, V.A., (1984, p.281-285, eng) 39-1823

New approach to relief well drilling in the Canadian Beaufort Sea.

- Scott, W.A., et al., (1984, 45p., eng) 39-1852

Fast ice sheet deformation during ice-push and shore ice ride-up.

- Shapiro, L.H., et al., (1984, p.137-157, eng) 39-1874

Hydrologic studies in estuarine areas of Arctic rivers.

- Ivanov, V.V., ed. (1984, 135p., rus) 39-2012

Natural ice piers.

- Dubrovnik, L.I., (1983, p.86-88, eng) 39-2597

Scientific-practical conference on the topic "Man and nature in the Far East".

- Vladivostok, Oct. 4-5, 1984. Summaries. Krasnov, E.V., ed. (1984, 166p., rus) 39-3059

Estimating the amount of shore deposits removed by ice rafting.

- Archukov, E.I., et al., (1984, p.74-75, rus) 39-3061

Distribution of electrical parameters in upper layers of shelf, land, and fast ice near Novolazarevskaya Station.

- Khokhlov, G.P., (1984, p.360-365, eng) 39-3136

Sea ice morphology and characteristics.

- Stringer, W.J., (1985, p.1-28, eng) 39-3638

Problems of the Arctic and the Antarctic. Vol.56.

- Treshnikov, A.F., ed. (1985, 159p., eng) 39-3658

Thermal displacements, deformations and stresses in fast ice.

- Kulakov, M.I.U., et al., (1984, p.32-46, eng) 39-3661

Rheological model of hummocking of ice cover.

- S.A., (1984, p.47-55, eng) 39-3662

Some morphological peculiarities of the lower and upper surfaces of fast ice.

- Chilingarov, A.N., et al., (1984, p.56-61, eng) 39-3663

Shore-zone ice scour statistics: Implications to coastal development.

- Harper, J.R., (1985, p.223-230, eng) 39-3766

Characteristics of fast sea ice collected near Barrow, Alaska.

- Kawamura, T., (1984, p.163-170, jpn) 39-4045

Fatigue (materials)**Preliminary results on the fatigue behaviour of polycrystalline freshwater ice.**

- Nixon, W.A., et al., (1984, p.267-269, eng) 39-403

Crack extension acoustic emission during fatigue crack growth.

- Kim, C.J., et al., (1984, p.349-353, eng) 39-625

New technique for determining the static fatigue limit of frozen ground.

- Vrachev, V.V., et al., (1984, p.306-310, eng) 39-2178

Wind-induced vibration of aboveground Arctic pipelines.

- Hanegger, D.G., et al., (1985, p.646-652, eng) 39-2386

Fatigue damage for reinforced concrete offshore structures.

- Shah, S.P., (1985, p.671-679, eng) 39-3214

Fatigue damage of suspended oil pipelines due to wind in the Arctic.

- Honegger, D.G., et al., (1985, p.49-53, eng) 39-4049

Fauna**See: Animals****Feeding (hydrology)****See: Alimentation****Fences****See: Snow fences****Films****See: Water films****Filters****Lowering ground water levels in northern swamps.**

- Smorodinov, M.I., (1984, 117p., rus) 39-2068

Filtration**See: Seepage****Fines****Foundations built on loess.**

- Anan'ev, V.P., (1984, p.3-8, rus) 39-582

Difficulties in construction on sagging soils.

- Goldshtein, M.N., (1984, p.9-10, rus) 39-583

Effect of soil and vegetation removal on soil temperature regime in quarries.

- Vasil'ev, I.M., et al., (1980, p.20-24, rus) 39-751

Inclined drainage of earth dams in the North.

- Moshkova, M.A., et al., (1980, p.52-55, rus) 39-753

Estimation of the length of evacuation cones of mudflows.

- Stepanov, B.S., et al., (1984, p.39-42, rus) 39-2284

Plasticity of mudflow mixtures.

- Gavrilina, L.N., (1984, p.42-52, rus) 39-2285

Design and protection of industrial buildings under special conditions.

- Meteliuk, N.S., et al., (1984, 177p., rus) 39-3693

Experimental rheology of clay soils.

- Meschian, S.R., (1985, 342p., rus) 39-3908

See also: Frozen fines**Finland****Arctic technology research projects in Finland.**

- Laiho, L., (1984, 60p., eng) 39-233

Icebreaking technology in Finland.

- (1984, p.167-172, eng) 39-610

Use of temperature index methods in snowmelt forecasting.

- Kuusisto, E., (1984, p.559-568, eng) 39-1295

Organization of mobile supply units for northern construction.

- Shliamin, V.A., (1985, p.21-23, rus) 39-3309

- Sulphur in antarctic snow and firn.** Nielson, H., [1985, p.118-123, ger] 39-2814
- Distribution of electrical parameters in upper layers of shelf, land, and fast ice near Novolazarevskaya Station.** Khokhlov, G.P., [1984, p.360-365, eng] 39-3136
- Heat and mass transfer in contact melting (applied to thermal drilling).** Chistiakov, V.K., et al. [1984, 176p, rus] 39-3377
- Firn stratification**
- South Pole pit stratigraphic studies.** Mosley-Thompson, E., et al. [1983, p.116-118, eng] 39-13
- Snow-dust distribution during the triggering of firn-ice avalanches.** Freifel'd, V.I.A., et al. [1984, p.73-78, rus] 39-637
- Distinguishing annual layers in firn-ice cores.** Glazyrin, G.E., et al. [1984, p.79-92, rus] 39-638
- Structural and stratigraphic studies of Spitsbergen ice cover.** Zagorodnov, V.S., et al. [1984, p.119-126, rus] 39-2777
- Snowdrift patches on King George (Waterloo) Island.** Vtiurn, B.I., [1984, p.209-214, rus] 39-2793
- Isotopic diffusion in cold snow and firn.** Whillans, I.M., et al. [1985, p.3910-3918, eng] 39-2989
- Fjords**
- Ice-induced vertical circulation in an Arctic fjord.** Horne, E.P.W., [1985, p.1078-1086, eng] 39-2362
- Role of glaciers in fjord formation.** Glazovskii, A.F., [1984, p.115-119, rus] 39-2776
- Flexural strength**
- Ship strength and winter navigation.** [1984, 259p., eng] 39-1095
- Level ice resistance—ideas stemming from the model and the full scale tests.** Nyman, T., et al. [1984, p.183-200, eng] 39-1101
- New fine-grain model-ice of Wärsilä Arctic Research Centre.** Enkvist, E., [1984, p.247-259, eng] 39-1105
- Flexural strengths of freshwater model ice.** Gow, A.J., [1984, p.73-82, eng] 39-1757
- New testing technique of ice strength in compression and bending.** Khrapatyi, N., et al. [1984, p.83-91, eng] 39-1758
- Behaviour of sea ice plates under long term loading.** Tinawi, R.A., et al. [1984, p.103-112, eng] 39-1760
- Flexure of a non-homogeneous floating ice sheet.** Selvadurai, A.P.S., [1984, p.123-136, eng] 39-1762
- Observations on the growth of urea ice on a small ice basin.** Etema, R., et al. [1984, p.207-216, eng] 39-1804
- Recent experience in conducting ice model tests using a synthetic ice modeling material.** Schultz, L.A., et al. [1984, p.229-239, eng] 39-1806
- Quantitative analysis of ice sheet failure against an inclined plane.** Frederking, R.M.W., et al. [1985, p.160-169, eng] 39-2409
- Hybrid structural ice defense mechanism.** Nelson, J.K., et al. [1985, 1166-1174, eng] 39-3251
- Floating ice**
- Buckling analysis of cracked, floating ice sheets.** Adley, M.D., et al. [1984, 28p., eng] 39-715
- Ecology of the diatom *Eucampia antarctica*.** Burckle, L.H., [1984, p.77-86, eng] 39-1276
- Iceforms of floating loose covers.** Chee, S.P., et al. [1984, p.197-209, eng] 39-1464
- Coverage coefficient for calculating ice volume generated.** Hausser, R., et al. [1984, p.211-224, eng] 39-1465
- Interaction between surface waves and a densely packed broken ice cover.** Foltyn, E.P., et al. [1984, p.387-406, eng] 39-1473
- Grounded rubble fields adjacent to offshore structures.** Sayed, M., et al. [1984, p.11-17, eng] 39-1618
- Flexure of a non-homogeneous floating ice sheet.** Selvadurai, A.P.S., [1984, p.123-136, eng] 39-1762
- Jamming tendency of floating ice in rivers and reservoirs.** Kotodko, J., et al. [1984, p.251-254, eng] 39-1773
- Model tests of ice forces on a wide inclined plane.** Tim, G.W., [1984, p.87-96, eng] 39-1795
- Extraction of piles by repeated water-level fluctuations.** Thunbo Christensen, F., et al. [1984, p.111-113, eng] 39-1797
- Melting ice with air bubblers.** Carey, K.L., [1983, 11p., eng] 39-2094
- Determining the characteristic length of floating ice sheets by moving loads.** Sodhi, D.S., et al. [1985, p.155-159, eng] 39-2408
- Load bearing capacity of an ice cover subjected to concentrated loads.** Fransson, L., [1985, p.170-176, eng] 39-2410
- Dynamic interactions between floating ice and offshore structures.** Croteau, P., [1983, 33p., eng] 39-2453
- Analysis of floating ice covers with partial flooding.** Kerr, A.D., [1985, p.117-123, eng] 39-2554
- Floating ice thickness measurement.** [1985, 76p., eng] 39-2841
- Failure modes in concrete structures due to ice load.** Iding, R.H., et al. [1985, p.643-652, eng] 39-3212
- Modern and ancient glacial-marine deposits.** Vanney, J.R., et al. [1986, p.9-50, eng] 39-3274
- Deterioration of floating ice covers.** Ashton, G.D., [1985, p.177-182, eng] 39-3286
- Forces associated with ice pile-up and ride-up.** Sodhi, D.S., et al. [1984, p.239-262, eng] 39-3500
- See also:** Ice flows
- Floating structures**
- Construction of concrete ships and floating docks.** Mishutin, V.A., [1984, p.36-38, rus] 39-1082
- Gulf Canada's Beaufort Sea drilling system.** [1982, p.20-23, eng] 39-1475
- Kulluk extends the Arctic offshore drilling season.** Frankovich, E.W., [1984, 17p., + figs., eng] 39-1846
- Moving towards production in the Beaufort Sea.** Smith, B.S., et al. [1984, 13p., + figs., eng] 39-1863
- Underwater support capabilities—Arctic marine operations.** English, J.G., [1984, 10p., eng] 39-1866
- Air cushion ships and floats for ice navigation.** Khmurin, V.M., [1983, p.106-110, rus] 39-2204
- Overview of marine icing research.** Lozowski, E.P., et al. [1985, p.6-15, eng] 39-2389
- Construction of ports.** Goncharov, V.V., [1985, p.23-24, rus] 39-3120
- Modular construction technology for arctic islands.** Buslov, V.M., [1985, p.66-74, eng] 39-3164
- SHADS: mobile Arctic drilling platform.** Stedum, R.E., et al. [1985, p.498-506, eng] 39-3199
- Submarines in perspective.** Jacobsen, L., [1985, p.215-217, eng] 39-3341
- Shelf-4 drilling rig for the Arctic.** Savchenko, A., [1985, p.31, rus] 39-3404
- Ice forces on fixed and floating conical structures.** Wessels, E., [1984, p.203-219, eng] 39-3482
- Flood control**
- Possibility of calculating snow loads for the USSR.** Karapet'ians, E.M., [1983, p.44-51, rus] 39-908
- Floods and flood danger in Iceland.** Rist, S., [1982, p.119-132, eng] 39-989
- Estimating seasonal changes in water inflow into reservoirs.** Komarov, V.D., et al. [1985, p.3-26, rus] 39-1548
- Calculating spring flood water from satellite photographs.** Vostriakova, N.V., [1984, p.85-88, rus] 39-1975
- Flood forecasting**
- Data from the National Weather Service 1981 for floods, winter storms and wind.** Campbell, A.K., [1982, 38p., eng] 39-570
- Inclusion of frozen effects in a flood forecasting model.** Anderson, E.A., et al. [1984, p.51-514, eng] 39-1292
- Ice jam prediction model as a tool in floodplain management.** Barnes-Svamm, P.L., et al. [1985, p.256-260, eng] 39-3099
- Flooding**
- Storm surge climatology and forecasting in Alaska.** Wise, J.L., et al. [1981, 26p., + append., eng] 39-536
- Controlling river ice to alleviate ice jam flooding.** Deck, D.S., [1984, p.524-528, eng] 39-614
- Salmon River ice jams.** Cunningham, L.L., et al. [1984, p.529-533, eng] 39-615
- Ice jams and flooding on Ottawaquichee River, VT.** Bates, R., et al. [1982, 25p., eng] 39-873
- Problems in runway construction on deep snowfields.** Barthelemy, J.L., [1978, 35p., eng] 39-3084
- Floodplains**
- Geochemistry of iron in southern taiga soils.** Sizov, A.P., [1984, p.81-84, rus] 39-445
- Stabilization of roadbeds in swamps.** Derbas, V.A., et al. [1984, p.6-7, rus] 39-673
- Engineering evaluation of the Lena River floodplain.** Ivanov, M.S., et al. [1984, p.96-104, rus] 39-846
- Evolution of taiga soils.** Arefeva, Z.N., [1977, p.33-44, rus] 39-883
- Cryogenic phenomena in landscape types of Kamchatka Peninsula.** Bykasov, V.E., [1977, p.196-202, rus] 39-1906
- Economic development of the lower Irtysh River valley.** Druzhina, N.P., et al. [1984, p.50-76, rus] 39-2577
- Phytocenoses of northern bogs.** Kustova, N.V., [1984, p.76-106, rus] 39-2578
- Nutrient cycle of cryogenic soils in flood plains.** Batyev, Kh.A., [1984, p.96-110, rus] 39-3029
- Morpholithosystems and landscape structure (exemplified by the Omolon River basin).** Egorova, G.N., [1983, 164p., rus] 39-3092
- Reclamation problems in flood-plain development of western Siberia.** Malik, L.K., [1985, p.14-19, rus] 39-3259
- Forest winter roads.** Gladkodorov, P.I., et al. [1985, p.30-31, rus] 39-3311
- Developing construction methods for industrial pipelines.** Vasil'ev, N.P., [1985, p.37-38, rus] 39-3995
- Floods**
- Ice-related flood damage estimation.** Yoe, C.E., [1984, p.141-152, eng] 39-784
- Flood-plain delineation in ice jam prone regions.** Vogel, R.M., et al. [1984, p.206-219, eng] 39-785
- Dynamics and thermal regimes of rivers and reservoirs.** Fidman, B.A., ed. [1984, 296p., rus] 39-887
- Formation and disruption of ice jams on rivers and lakes.** Karnovich, V.N., [1984, p.234-239, rus] 39-889
- Peculiarities of spring-summer runoff fluctuations in the Ob' River basin over a period of years.** Beltrun, S.G., et al. [1984, p.5-10, rus] 39-1416
- Flood protection with ice cover on the Saint Charles River, Quebec City.** Monfret, J., et al. [1984, p.159-179, fre] 39-1462
- Characteristics of glacial flood—example of rivers in Xinjiang.** Lai, Z., [1984, p.45-52, chi] 39-1539
- Backwater profiles on hydroelectric reservoir with ice cover.** Majewski, W., [1984, p.255-264, eng] 39-1774
- Analysis of causes for floods during ice run on the lower reaches of the Yellow River.** Chen, Z., et al. [1984, p.379-388, eng] 39-1785
- Floods caused by bursting of ice-dammed lakes.** Butvilovskii, V.V., [1985, p.65-74, rus] 39-2038
- Calculating mudflow characteristics.** Stepanov, B.S., [1984, p.3-17, rus] 39-2280
- Development of mudflow processes in foci of different types.** Khonin, R.V., [1984, p.17-29, rus] 39-2281
- Influence of temperate glaciers on flood events in maritime Alaska.** Humphrey, J.H., et al. [1983, p.1(1)-1(26), eng] 39-2441
- Glacier mass balance and runoff research in the USA.** Mayo, L.R., [1984, p.215-227, eng] 39-2504
- Floods from glacial lake Missoula, Washington.** Atwater, B.F., [1984, p.464-467, eng] 39-2719
- Controlling river ice to alleviate ice jam flooding.** Deck, D., [1984, p.69-76, eng] 39-3471
- Formulas for calculating river runoff in permafrost areas.** Ivan'o, I.A.M., [1985, p.107-111, rus] 39-3825
- Floors**
- Requirements for modular buildings in the North.** Kazantsev, I.A., et al. [1984, p.12, rus] 39-791
- Casey domestic building, Vol.1.** [1982, var. p., eng] 39-2229
- Determining the power of heating elements needed for heated floors of modular buildings.** Kazantsev, I.A., et al. [1984, p.21-22, rus] 39-3772
- Flora**
- See:** Plants (botany); Vegetation
- Flow**
- See:** Fluid flow
- Flow control**
- Changes in natural conditions induced by human activities.** Saks, V.N., ed. [1984, 176p., rus] 39-1415
- Environmental impact of flow control of Siberian rivers.** Savkin, V.M., et al. [1984, p.26-33, rus] 39-1418
- Hydrometeorological changes in the Yenisey complex area.** Titova, I.U.V., et al. [1984, p.63-77, rus] 39-1419
- Flow rate**
- Expected surge of the Medvezhil glacier in Pamirs.** Dolgushin, L.S., [1984, p.66-69, rus] 39-391
- Laboratory studies on relationships between ice crystal size and flow rate.** Jacka, T.H., [1984, p.31-42, eng] 39-1620
- Hydraulic conveying of snow: IV. Flow pattern of snow water mixture in straight pipes.** Shirakashi, M., et al. [1984, p.163-170, jpn] 39-2473
- Hydraulic conveying of snow: V. The influence of several factors on the pressure drop of a snow/water mixture flowing in a straight pipe.** Shirakashi, M., et al. [1984, p.171-178, jpn] 39-2474
- Flow resistance of ice-covered streams.** Chee, S.P., et al. [1984, p.815-823, eng] 39-2494
- Punch indentation of polycrystalline ice.** Sego, D.C., et al. [1985, p.226-233, eng] 39-3685
- Buoyancy flow during the melting of a vertical semi-infinite region.** Huang, S.C., [1985, p.1231-1233, eng] 39-4022
- See also:** Water transport
- Fluid flow**
- Complex freezing-melting interfaces in fluid flow.** Epstein, M., et al. [1983, p.293-318, eng] 39-1648
- Computation of porous media natural convection flow and phase change.** O'Neill, K., et al. [1984, p.213-229, eng] 39-3981
- Fluid infiltration**
- See:** Seepage
- Fluid mechanics**
- Natural oscillations of an ice-covered channel.** Green, T., [1984, p.313-320, eng] 39-3781
- Fog**
- Sensors for ice and fog detection.** Brinkman, A., et al. [1984, p.63-73, eng] 39-1246
- Smoke trials, SNOW-ONE-B.** [1983, p.279-284, eng] 39-1961
- See also:** Ice fog
- Fog dispersal**
- Laboratory modeling of contact electrification processes in cloud particles.** Diakonova, I.N., et al. [1985, 87p., rus] 39-2879
- Foliage**
- See:** Forest canopy
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- See:** Foundations
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- See:** Avalanche forecasting; Flood forecasting; Frost forecasting; Ice forecasting; Long range forecasting; Runoff forecasting; Weather forecasting
- Forest canopy**
- Radiation balance beneath forest canopy in highlands.** Samukashvili, R.D., [1984, p.117-122, rus] 39-301

Forest canopy (cont.)

- Aerial, satellite and cartographic methods of studying environments. Summaries of reports presented at the 4th section of the 7th meeting of the Geographic Society of the USSR. Kondrat'ev, K.I.A., ed. (1980, 126p., rus) 39-1327
- Radiation balance of cut-out areas in taiga. Kubrak, N.I., (1984, p.108-110, rus) 39-1432
- Environmental impact of lumbering in taiga. Chertovoi, V.G., (1984, p.217-219, rus) 39-1435
- Pine forests of northern Europe. Ziabchenko, S.S., (1984, 247p., rus) 39-1443
- All-Union Conference on aerial and space methods of studying forests, Krasnoyarsk, July 7-9, 1984. Summaries of reports. (1984, 186p., rus) 39-1480
- Spectral brightness coefficients of northern forests. Bogdanov, V.M., et al. (1984, p.21-22, rus) 39-1482
- Hydrologic differentiation of taiga landscapes. Lebedev, A.V., (1984, p.80-82, rus) 39-1493
- Light regime of different central taiga forests. Kishchenko, I.T., (1984, p.17-21, rus) 39-1568
- Snowdrift and forest lines on Mt. San Geronio, California. Minnich, R.A., (1984, p.395-412, eng) 39-2680
- Snow accumulation and snowmelt in forested and deforested areas. Plamondon, A.P., et al. (1984, p.27-35, fre) 39-2706
- Restoration of drying fir-spruce forests in the Central Sikhote Alin'. Malorova, L.A., (1984, p.115-116, rus) 39-3065
- Forest ecosystems**
- Dynamics of mosses in forest and peatland, SE Labrador, Canada. Foster, D.R., (1984, p.133-140, eng) 39-713
- Proceedings: Resources and dynamics of the boreal zone. (1983, 544p., eng) 39-1517
- Bioclimatology of boreal forest ecosystems. Gerardin, V., et al. (1983, p.52-69, eng) 39-1518
- Ecological land classification and evaluation in southern Yukon: an aid in identifying research and management requirements. Senyk, J.P., (1983, p.70-82, eng) 39-1519
- Classification and ordination of forest ecosystems in the Great Claybelt of northeastern Ontario. Jones, R.K., et al. (1983, p.83-96, eng) 39-1520
- Forest fires**
- Regional characteristics of soil formation in monsoon areas after forest fires. Sapozhnikov, A.P., (1982, p.117-124, rus) 39-31
- Revegetation of burned-out areas in forests of permafrost zones. Bondar', P.A., (1984, p.24-26, rus) 39-350
- Upper forest lines in the Subarctic as indices of ecologic parameters of the biosphere. Kruchkov, V.V., (1984, p.13-14, rus) 39-506
- Estimating the state of forests after fires from satellite photographs. Furiaev, V.V., et al. (1980, p.31-32, rus) 39-1333
- All-Union Conference on aerial and space methods of studying forests, Krasnoyarsk, July 7-9, 1984. Summaries of reports. (1984, 186p., rus) 39-1480
- Mapping the distribution of combustible forest materials. Volokitina, A.V., et al. (1984, p.54-56, rus) 39-1489
- Studying post-fire pine forest revegetation from aerial photographs. Zlobina, L.P., (1984, p.92-93, rus) 39-1494
- Monitoring forest fires. Valendik, E.N., et al. (1984, p.113-117, rus) 39-1496
- Forest fire weather and wildfire occurrence in the boreal forest of northwestern Ontario. Stocks, B.J., et al. (1983, p.249-265, eng) 39-1523
- Origin of northern spruce forests. Anishin, P.A., (1984, p.10-18, rus) 39-1547
- Forest disturbances due to fire, avalanches and mudflows on Mt. Rainier. Hemstrom, M.A., et al. (1982, p.32-51, eng) 39-2906
- Water regime of burned-out areas in northern taiga. Tarabukina, V.G., et al. (1984, p.72-75, rus) 39-3027
- Wind and plant-root erosion at high altitudes. Koretski, A.P., (1984, p.100-102, rus) 39-3064
- Forest fire effect on taiga soil. Bondar', P.A., (1985, p.111-116, rus) 39-3599
- Dynamic processes in forests of the Far East. Man'ko, I.U., ed. (1984, 168p., rus) 39-3798
- Secondary successions in forests of Sikhote Alin'. Komarova, T.A., (1984, p.20-35, rus) 39-3799
- Dynamics of forest resources in northern Sakhalin Island. Sheingauz, A.S., (1984, p.36-54, rus) 39-3800
- Reestablishment of larch forests in central Sikhote Alin'. Gligolev, V.A., (1984, p.91-103, rus) 39-3802
- Forest fires and revegetation in Sikhote Alin'. Sapozhnikov, A.P., et al. (1984, p.139-146, rus) 39-3805
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- Radiation balance beneath forest canopy in highlands. Samukashvili, R.D., (1984, p.117-122, rus) 39-301
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- Trees and shrubs growing on mudflow cones. Khomullo, O.N., (1984, p.37-38, rus) 39-514
- Soil erosion on subarctic forest slopes. Aldrich, J.W., et al. (1983, p.115-118, eng) 39-769
- Pipeline construction in cold, swampy regions. Tikhonov, A.I., et al. (1984, 81p., rus) 39-938
- Attempt to calculate snow cover development in a forest. Graf, B., et al. (1980, p.329-333, ger) 39-1151
- Structure, functional organization and dynamics of swamp ecosystems in Karelia. Elina, G.A., et al. (1984, 128p., rus) 39-1175
- Plant successions in drained northern forests. Fediukov, V.I., (1984, p.341-344, rus) 39-1302
- Estimating the state of forests after fires from satellite photographs. Furiaev, V.V., et al. (1980, p.31-32, rus) 39-1333
- Environmental impact of economic development of swamps. Khoroshev, P.I., et al. (1984, p.206-207, rus) 39-1434
- Aerial and satellite surveys of Siberian forests. Isaev, A.S., (1984, p.3-5, rus) 39-1481
- Spectral brightness coefficients of northern forests. Bogdanov, V.M., et al. (1984, p.21-22, rus) 39-1482
- Satellite methods of studying soil cover of forest lands. Andronikov, V.L., et al. (1984, p.45-47, rus) 39-1487
- Forest cover differentiation on satellite photographs. Gribanov, V.I.A., et al. (1984, p.64-67, rus) 39-1492
- Seasonal patterns of nitrogen mineralization following harvesting in the white spruce forests of interior Alaska. Gordon, A.M., et al. (1983, p.119-130, eng) 39-1521
- Origin of northern spruce forests. Anishin, P.A., (1984, p.10-18, rus) 39-1547
- Cryogenic phenomena in landscape types of Kamchatka Peninsula. Bykaev, V.E., (1977, p.196-202, rus) 39-1906
- Role of mosses in reclamation of brine spills in forested areas. Ross, B.A., et al. (1984, p.67-71, eng) 39-1935
- Effects of snowmelt and logging on piezometric levels in watersheds. Megahan, W.F., (1984, p.1-8, eng) 39-1938
- Structure of runoff in the forest zone of the European USSR. Koronkevich, N.I., (1984, p.128-132, rus) 39-2350
- Dated wood from Alaska and Yukon. Hopkins, D.M., et al. (1981, p.217-249, eng) 39-2448
- Impact of human activities on spruce forest of northern Tien Shan and the dynamics of its recovery. Roldugin, I.I., (1983, 208p., rus) 39-2452
- Symposium on the use of mathematical modeling in ecological investigations of forests and swamps, Aug. 21-23, 1984. Summaries. (1984, 136p., rus) 39-2580
- Systems approach and mathematical modeling of forest ecosystems. Atroschenko, O.A., (1984, p.18-22, rus) 39-2582
- Ecologic diversity of drained forests. Bush, K.K., (1984, p.36-38, rus) 39-2584
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- Dynamics and composition of fall-off in mountain forest biogeocenoses. Selivanova, G.A., (1984, p.119-129, rus) 39-3804
- Forest fires and revegetation in Sikhote Alin'. Sapozhnikov, A.P., et al. (1984, p.139-146, rus) 39-3805
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- Mosses in the southern part of the Magadan Region. Blagodatskikh, L.S., (1981, p.22-24, rus) 39-59
- Mean summer temperatures and circulation in a south-west Norwegian mountain area during the Atlantic period, based upon changes of the Alpine pine-forest limit. Selsing, L., et al. (1984, p.127-132, eng) 39-186
- Mathematical model of high-altitude permafrost distribution. Cheng, G., et al. (1983, p.1-7, chi) 39-261
- Upper forest lines in the Subarctic as indices of ecologic parameters of the biosphere. Kruchkov, V.V., (1984, p.13-14, rus) 39-506
- Woody plants of the polar Urals Mountains. Semenov, B.A., et al. (1984, p.30-31, rus) 39-512
- Stability of the northern Canadian tree limit. Elliott-Fisk, D.L., (1983, p.560-576, eng) 39-865
- Proceedings. Tree-line ecology. (1983, 188p., eng) 39-2669
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- Metabolism of the chlororganic combinations in taiga biogeocenoses. Dmitrienko, V.K., et al. (1984, p.21-29, rus) 39-120
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- Mobility of Ca and Na in freezing-thawing grounds. Zolotareva, B.N., et al. (1984, p.58-62, rus) 39-419
- Upper forest lines in the Subarctic as indices of ecologic parameters of the biosphere. Kruchkov, V.V., (1984, p.13-14, rus) 39-506
- Restoration of vegetational cover of forest communities in the northern Kola Peninsula. Kuz'mina, L.I., (1984, p.15, rus) 39-507
- Calculating soil moisture for roadbed construction. Aleksikov, S.V., et al. (1984, p.105-109, rus) 39-594
- Temperature regime and some biological properties of woody plants in northern Kirgizia. Sartbaeva, M.K., (1984, 238p., 840) 39-644
- Effect of soil and vegetation removal on soil temperature regime in quarries. Vasil'ev, I.M., et al. (1980, p.20-24, rus) 39-751
- Microflora of litter in northern forests. Makarova, A.P., et al. (1984, p.94-97, rus) 39-796
- Microbe associations in forest biogeocenoses. Gukasian, A.B., ed. (1983, 122p., rus) 39-956
- Microflora of taiga podzols. Vishniakova, Z.V., et al. (1983, p.46-56, rus) 39-958
- Peculiarities of *Lipomyces* distribution in the mountain-taiga soils of Tuva. Abramenko, N.I., (1983, p.69-73, rus) 39-959
- Microflora and biologic activity in the litter of pine forests of the Angara River area. Bugakova, T.M., et al. (1983, p.101-115, rus) 39-960
- Vegetation of the Far East. Nechaev, A.P., ed. (1976, 136p., rus) 39-1071
- Woody plants in northern monsoon climate. Karpenko, N.P., (1976, p.23-29, rus) 39-1072
- Soil formation and weathering in the Far East. Ershov, I.U., (1984, 262p., rus) 39-1153
- Plant successions in drained northern forests. Fediukov, V.I., (1984, p.341-344, rus) 39-1302
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- Studying taiga vegetation in the Severnaya research station. Orlov, A.I.A., (1984, p.36-57, rus) 39-1414
- Hydrologic differentiation of taiga landscapes. Lebedev, A.V., (1984, p.80-82, rus) 39-1493
- Studying slope processes in Caucasus forests. Imanov, N.A., et al. (1984, p.103-104, rus) 39-1495
- Impact of human activities on Subalpine soils. Razumov, V.V., (1984, p.109-121, rus) 39-1709
- Environmental impact of different machines used in forestry. Vinogorov, G.K., (1984, p.26-27, rus) 39-2106
- Life-forms of forest phytocenoses. Krylov, A.G., (1984, 184p., rus) 39-2199
- Role of mountain forests in water protection. Lebedev, A.V., (1984, p.156-164, rus) 39-2352
- Revegetation of eroded soils in permafrost areas. Zaitsev, G.A., (1985, p.38-41, rus) 39-2463
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- Dark conifer forests of the West Siberian Plain. Il'ina, I.S., (1984, p.19-50, rus) 39-2576
- Phytocenoses of northern bogs. Kustova, N.V., (1984, p.76-106, rus) 39-2578
- Ecologic diversity of drained forests. Bush, K.K., (1984, p.36-38, rus) 39-2584
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- Statistical models of evaporation processes in forest biogeocenoses. Belotserkovskaya, O.A., et al. (1984, p.96-99, rus) 39-2589
- Modeling water regime of peat soils in drained forests. Shits, I.U.E., (1984, p.116-120, rus) 39-2590
- Alpine mossy larch forest of the Zeya State Reserve on the Tukuringa Range. Kuvaev, V.B., et al. (1985, p.221-231, rus) 39-2986
- More on the paludification problem of western Siberia. Nel'shtadt, M.I., et al. (1985, p.139-144, rus) 39-3017
- Forest soils of the Lena-Anga interfluvium. Desiatkin, R.V., (1984, p.14-20, rus) 39-3021
- Cycle of chemical elements in taiga landscapes of southern Yakutia. Konorovskii, A.K., et al. (1984, p.49-60, rus) 39-3024
- Changes in chemical and biologic properties of soils beneath forest cultures. Popova, E.P., et al. (1983, p.64-73, rus) 39-3071
- Ecologic role of forest lichens. Bakaeva, M.V., et al. (1985, p.25-30, rus) 39-3107
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- Physiological and biochemical basis of the growth and adaptation of pine in the North. Novitskaya, I.U.E., et al. (1985, 155p., rus) 39-3343
- Forest fire effect on taiga soil. Bondar', P.A., (1985, p.111-116, rus) 39-3599
- Role of microbes and animals in litter decomposition in cold regions. Naplekova, N.N., et al. (1985, p.70-85, rus) 39-3630
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- Grass cenoses in recultivated forests of southern Kuzbass ecosystems. Logua, M.T., (1985, p.93-100, rus) 39-3632

- Secondary successions in forests of Sikhote Alin. Komarova, T.A., [1984, p.20-35, rus] 39-3799
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- Frozen peat bogs in northern West Siberia and their botanical structure. Streletskaya, I.D., et al, [1984, p.31-39, rus] 39-836
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- Revegetation of eroded soils in western Siberia. Moskalenko, N.G., [1984, p.147-154, eng] 39-1655
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- Longevity of pine under northern conditions. Nevolin, O.A., [1985, p.18-22, rus] 39-2456
- Dwarf-pine forests in the Magadan region. Panchenko, T.M., [1985, p.67-76, rus] 39-2458
- Geochemistry of soils and environmental protection. Saprykin, F.I.A., [1984, 231p., rus] 39-2485
- Plant adaptation to the environments of polar forestless regions. Iur'tsev, B.A., [1984, p.207-212, rus] 39-2666
- Comparing local floras of the Chukotkiy Peninsula. Kozhevnikov, I.U.P., [1985, p.314-321, rus] 39-2983
- Morpholithoecosystems and landscape structure (exemplified by the Omolon River basin). Egorova, G.N., [1983, 164p., rus] 39-3092
- Ecosystems affected by technology; their organization and functioning. Titlanova, A.A., ed, [1985, 136p., rus] 39-3625
- Relict plant communities in western Chukotkiy Peninsula. Kozitskaya, L.T., et al, [1985, p.32-38, rus] 39-3745
- Forestry**
- Influence of felling and reforestation on river discharge in the southern and central taiga subzones. Krestovskii, O.I., [1984, p.125-135, rus] 39-118
- Method of establishing requirements for reforestation work in operational taiga-zone forests. Poirurovskaya, R.I., et al, [1984, p.121-122, rus] 39-136
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- Studies of northern taiga forests at the Onega research station. Rysin, L.P., [1984, p.10-24, rus] 39-1413
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- Mapping taiga forests in the Angara-Yenisey region. Kalashnikov, E.N., et al, [1984, p.31-33, rus] 39-1483
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- Transpiration and water stress in western coniferous forests. Running, S.W., [1984, 52p., eng] 39-1713
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- Industrial activities and water content of taiga rivers in the European USSR and Siberia. Krestovskii, O.I., [1984, p.79-94, rus] 39-2346
- Systems approach and mathematical modeling of forest ecosystems. Atroshchenko, O.A., [1984, p.18-22, rus] 39-2582
- Problems of engineering glaciology. Osokin, N.I., [1984, p.215-219, rus] 39-2794
- Reforestation in the southern taiga subzone. Koropachinskiy, I.I.U., ed, [1983, 125p., rus] 39-3066
- Natural restoration beneath the canopy of southern taiga. Babintseva, R.M., et al, [1983, p.5-13, rus] 39-3067
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- Forest-growing properties of soils beneath forest cultures. Gorbachev, V.N., [1983, p.57-64, rus] 39-3070
- Forest winter roads. Gladkodorov, P.I., et al, [1985, p.30-31, rus] 39-3311
- Reforestation problems in the BAM zone. Bobrinev, V.P., [1985, p.105-111, rus] 39-3598
- Dynamic processes in forests of the Far East. Man'ko, I.U.I., ed, [1984, 168p., rus] 39-3798
- Natural revegetation of conifers on felled areas. Klintoav, A.P., [1984, p.55-66, rus] 39-3801
- Dynamics of geosystems and economic development of taiga in the Angara River area. Krauklis, A.A., et al, [1985, 279p., rus] 39-3984
- Formwork (construction)**
- Electrically heated steel formwork for winter concreting. Minakov, I.U.A., et al, [1984, p.12-13, rus] 39-1556
- Device for heating monolith concrete. Grebnev, M., [1984, p.12, rus] 39-1561
- Concreting at low sub-zero temperatures. Zinchenko, N.A., [1985, p.52-55, rus] 39-2732
- New method of heating monolithic concrete structures. Timofeenko, L., et al, [1984, p.17, rus] 39-3536
- Fossil ice**
- Evidence of ice wedge fossils in southern Mendoza Province. Abraham de Vazquez, E.M., et al, [1984, p.3-11, spa] 39-3939
- Fossils**
- Quaternary period in Manchuria. Shikama, T., [1967, p.298-336, eng] 39-141
- Foundations**
- Frost heaving of multigraded soils. Johansson, H.G., [1984, p.95-98, eng] 39-147
- Design of pile foundations built on permafrost. Milovanov, A.F., et al, [1984, p.20-21, rus] 39-356
- Changes in permafrost induced by construction. Akparisova, G.V., [1984, p.16-26, rus] 39-410
- Depth of foundation laying in deeply freezing ground. Elgin, B.B., [1984, p.37-42, rus] 39-415
- Strength of pile foundations built on thawing permafrost. Sal'nikov, P.I., et al, [1984, p.42-48, rus] 39-416
- Geotechnical issues affecting offshore development: an overview. Watt, B., [1984, p.17-21, eng] 39-573
- Foundations for offshore structures. Bea, R.G., [1984, p.22-30, eng] 39-574
- Foundations built on loess. Anan'ev, V.P., [1984, p.3-8, rus] 39-582
- Foundations in high altitude permafrost. Gehrig, G.B., et al, [1983, p.1-9, eng] 39-613
- Temporary houses for workers in permafrost areas. Sobchenko, M.S., et al, [1984, p.21-23, rus] 39-675
- Performance of buildings and structures on permafrost. Sobolev, P.V., [1984, p.23-24, rus] 39-676
- Foundations for single-family houses. Torgersen, S.E., [1984, p.33-49, nor] 39-735
- Calculations of preliminary compaction of frozen soils. Taybin, A.M., et al, [1980, p.44-51, rus] 39-752
- Piling aids gravity in ice resistance. Bea, R.G., et al, [1984, p.99-100, eng] 39-813
- Predicting thermal state of the ground during economic development of northern regions. Cherniad'ev, V.P., et al, [1984, 137p., rus] 39-869
- Construction of large panel buildings. Rozanov, N.P., [1982, 224p., rus] 39-870
- Increasing seismic stability of earth dams. Natarius, I.A.I., [1984, 88p., rus] 39-928
- Foundations of light-weight buildings on permafrost. Gerasimov, A.S., [1984, 152p., rus] 39-955
- Designing buildings and structures for northern gas fields. Golovkin, V.N., [1984, p.9-10, rus] 39-1029
- Modern equipment and technology at the construction sites of gas-pumping objects in western Siberia. Zinov'ev, L.A., et al, [1984, p.10-12, rus] 39-1030
- Construction of main pipelines in western Siberia. Agovkin, V.N., [1984, p.12-13, rus] 39-1031
- Single-pile foundations for industrial objects. Nakonechniy, N.I., et al, [1984, p.23-25, rus] 39-1033
- Modern methods of frozen ground excavation. [1984, p.43, rus] 39-1035
- Failures of buildings built on water-saturated clays. Stroganov, A.S., [1984, p.6-11, eng] 39-1074
- Layered hydraulically beds as bearing grounds in cold regions. Kononov, P.A., et al, [1984, p.25-30, eng] 39-1075
- Calculating the depth of discontinuous permafrost beneath buildings. Khrustalev, L.N., et al, [1984, p.30-33, eng] 39-1076
- Clay soil compression beneath plates. Daimatov, B.I., et al, [1984, p.37-42, eng] 39-1078
- Overcoming difficulties of construction in permafrost areas. Vasil'ev, V.A., et al, [1984, p.12-13, rus] 39-1164
- The Oestrovsk River port in the North. Tolmachev, R.A., [1984, p.28-30, rus] 39-1171
- Towns and villages along the BAM. Sukhanov, N.V., [1984, p.32-35, rus] 39-1172
- Bearing capacity of pile foundations in sagging loess soils. Buslov, A.S., et al, [1983, 105p., rus] 39-1240
- Bridge construction on permafrost. Blinkov, L.S., [1984, p.11-12, rus] 39-1255
- Strengthening frozen bases by cooling. Gapeev, S.I., [1984, 152p., rus] 39-1322
- Foundations for power line supports. Solodovnik, V.I.A., et al, [1984, p.22-25, rus] 39-1340
- Using anchor foundations for crossings on the Zeya reservoir for the 220 kV overhead lines of the Tynda-Prizyetskaya power line. Petrov, N.K., et al, [1984, p.25-26, rus] 39-1341
- Building the foundation for a garage on permafrost. Tsozik, V.G., et al, [1984, p.11-12, rus] 39-1555
- Electrically heated steel formwork for winter concreting. Minakov, I.U.A., et al, [1984, p.12-13, rus] 39-1556
- Estimating suitability of earth for erecting dams in permafrost areas. Kadkina, E.L., [1984, p.34-36, rus] 39-1590
- Ob' River crossing of 500 kV overhead power lines. Ziobin, A.A., et al, [1984, p.65-67, rus] 39-1597
- Pile foundations in paludal taiga. Pylaev, E.L., et al, [1984, p.57-58, rus] 39-1641
- Design of foundations on permafrost soils. Mirenburg, I.U.S., [1984, p.118-122, eng] 39-1651
- Design of municipal buildings for the Far North. Reference book. Nazarova, L.G., et al, [1984, 216p., rus] 39-1896
- Engineering and geological research in construction on weak ground. Rubinshtein, A.I.A., et al, [1984, 108p., rus] 39-1932
- Construction of foundations for metal power line supports. Osipov, L.S., et al, [1985, p.27-28, rus] 39-1996
- Interview with official of the Soviet ministry of the petroleum industry. Kliuchnikova, L.P., [1985, p.6-8, rus] 39-2025
- Blasting techniques used in construction on water-saturated ground. Smirnov, A.G., et al, [1984, 216p., rus] 39-2069
- Pile foundations. [1984, 114p., eng] 39-2088
- Thermopiles for permafrost control in Siberia. Baaz, S.L., et al, [1984, p.11-12, rus] 39-2101
- Refrigeration pipelines for controlling bearing strength of gas-main foundations. Dvornik, A.D., et al, [1984, p.44-46, rus] 39-2102
- Placing of deep pile foundations in permafrost in the USSR. Vialov, S.S., [1984, p.16-17, eng] 39-2121
- Study and practice on deep foundations in permafrost areas of China. Ding, J., [1984, p.18-24, eng] 39-2122
- Design and construction of deep foundations in permafrost: North American practice. Ladanyi, B., [1984, p.43-50, eng] 39-2125
- Engineering geocryology in the USSR: a review. Vialov, S.S., [1984, p.177-185, eng] 39-2152
- Construction of deep pile foundations in permafrost in the USSR—a summary. Sadovskii, A.V., [1984, p.186-187, eng] 39-2153
- Investigation of the deformation of clayey soils resulting from frost heaving and thawing in foundations due to loading. Malyshev, M.A., et al, [1984, p.259-263, eng] 39-2168
- Investigations into the compaction of thawing earth materials. Pakhomova, G.M., [1984, p.278-281, eng] 39-2172
- Prediction of construction characteristics of sluiced materials used in foundations under permafrost conditions and in severe climates. Poleshuk, V.L., [1984, p.286-289, eng] 39-2174
- Mobile-crew flow-type method of building the transcontinental pipeline Urengoy-Pomary-Uzhgorod. Sudobin, G.N., et al, [1985, p.12-13, rus] 39-2223
- Structures for gas transportation to northern mines. Zinevich, A.M., et al, [1985, p.14-15, rus] 39-2224
- Combined mechanization schemes for construction of industrial pipelines. [1985, p.23-26, rus] 39-2226
- Thawing depth of permafrost beneath pile foundations. Varshavskii, I.P., et al, [1985, p.30-31, rus] 39-2227
- Bearing strength of tubular piles in permafrost. Gararin, L.I., [1985, p.37-38, rus] 39-2228
- Casey domestic building, Vol.1. [1982, var. p., eng] 39-2229
- Pile foundations of buildings and structures on sagging ground. Grigorian, A.A., [1984, 162p., rus] 39-2239
- Site surveying for smaller structures in permafrost areas. Druzhinin, M.K., [1985, p.18-19, rus] 39-2864
- Great Lakes harbor and its design for ice conditions. Wortley, C.A., [1984, 227p., eng] 39-3034
- Calculating ultimate strength of embankment foundations for swamps. Lobanov, I.Z., [1985, p.10-11, rus] 39-3115
- Bridges on rivers crossing northern swamps. Bialik, B.F., et al, [1985, p.14-17, rus] 39-3117
- Large panel residential buildings for Siberian conditions. Khabibulin, K.I., et al, [1985, p.27-29, rus] 39-3123

Foundations (cont.)

- Endochronic constitutive modeling of frozen soil. Gopal, K.R., et al. [1985, p.584-592, eng] 39-3207
- Foundations and time-dependent ice loadings. Williams, D.R., et al. [1985, p.1063-1074, eng] 39-3242
- Thaw settlement as a result of permafrost deterioration. Sargent, D.R., [1985, p.1075-1083, eng] 39-3243
- Developing a drilling structure for Arctic waters. Crull, C.M., et al. [1985, p.1122-1130, eng] 39-3247
- Arctic drilling and production platform concept. Engel, D.J., et al. [1985, p.1131-1147, eng] 39-3248
- Use of the cone penetration test for the design of piles in permafrost. Ladanyi, B., [1985, p.183-187, eng] 39-3287
- Cap-pile foundations for low-rise buildings. Miasnikin, A., [1984, p.14-15, rus] 39-3300
- Forest winter roads. Gladkodorov, P.I., et al. [1985, p.30-31, rus] 39-3311
- Industrialized construction of petroleum industry objects. Andrienko, V.G., et al. [1985, 342p., rus] 39-3313
- Stability of main pipelines built under complicated conditions. Klement'ev, A.F., [1985, 113p., rus] 39-3314
- Thermopile construction in the North. Vialov, S.S., et al. [1984, 148p., rus] 39-3380
- Construction of overhead power lines on surface foundations on permafrost. Pylaev, E.L., et al. [1985, p.64-65, rus] 39-3403
- Grounded ice pads as drilling bases in the Beaufort Sea. Kemp, T.S., [1984, p.175-186, eng] 39-3480
- Rubble protection—an alternative for arctic exploration. Potter, R.E., et al. [1984, p.221-236, eng] 39-3483
- Foundations in permafrost and seasonal frost; Proceedings. [1985, 62p., eng] 39-3578
- Arctic foundation selection: a decision matrix. LaVieille, C., et al. [1985, p.1-14, eng] 39-3579
- Attenuating creep of piles in frozen soils. Parameswaran, V.R., [1985, p.16-28, eng] 39-3580
- Geological conditions of the city of Omsk. Barats, N.I., [1985, p.31-34, rus] 39-3614
- Sources and factors of paludification of upbuilt areas in the town of Novosibirsk. Gospodinov, D.G., [1985, p.70-76, rus] 39-3621
- Paludification of the city of Barnaul and its effect on stability of engineering structures. Arefev, V.S., et al. [1985, p.79-81, rus] 39-3623
- Protection of grain elevators from industrially polluted ground water. Potlov, G.G., et al. [1985, p.82-91, rus] 39-3624
- Design and protection of industrial buildings under special conditions. Meteliuk, N.S., et al. [1984, 177p., rus] 39-3693
- Protecting foundations of buildings and structures from adverse effects of ground water. Degtiarev, B.M., et al. [1985, 264p., rus] 39-3702
- Economical foundations for country cottages. Anufriev, L.N., et al. [1985, p.12-15, rus] 39-3736
- Performance of piles in clay soils under draw-out stresses. Novskii, A.V., [1985, p.106-108, rus] 39-3751
- Greenhouses with foundations on permafrost. Shchelokov, V.K., et al. [1984, p.185-188, eng] 39-3810
- Foundation design for permafrost areas. Khrustalev, L.N., et al. [1984, p.216-219, eng] 39-3813
- Pile foundation deformation and frost heave. Kosterin, E.V., [1985, p.247-251, eng] 39-3817
- Fine and dusty sands used as frost-heave protection in railroad tracks. Breduk, G.P., et al. [1985, p.13-14, rus] 39-3820
- Experimental rheology of clay soils. Meschian, S.R., [1985, 342p., rus] 39-3908
- Numerical prediction of loess sagging under natural loads. Varinichenko, G.M., [1985, p.39-44, rus] 39-3910
- Heat loss factors for insulated building foundations. Zarling, J.P., et al. [1984, 65p., eng] 39-3937
- Reliability of electric power supply under conditions of the North. Chudinov, G.M., ed. [1977, 117p., rus] 39-3986
- Safety of electrical installations in industrial complexes. Maksimenko, N.N., et al. [1977, p.79-93, rus] 39-3991
- Salt and coal-dust treatment of frozen ground around electrical grounding. Iakushev, M.V., et al. [1977, p.94-99, rus] 39-3992
- How to increase stability of foundations. Orlov, V., [1985, p.128-129, rus] 39-3997
- Small capacity boarding schools for the North. Kiselev, V.M., [1985, 132p., rus] 39-4058
- See also: Pavement bases; Permafrost bases
- Fracture zones**
- Beryllium in sulfates of the cryolithic zone south of Verkhojansk. Kokin, A.V., [1982, p.200-201, eng] 39-155
- Fracturing**
- Icequakes and glacier motion: the Hans Glacier, Spitsbergen. Chluchowicz, A., [1983, p.27-38, eng] 39-86
- Experiments relating to the fracture of bedrock at the ice-rock interface. Smith, J.M., [1984, p.123-125, eng] 39-252

- Analysis of the viscoelastic fracture toughness and crack growth in ice. Hamza, H., et al. [1984, p.249-258, eng] 39-401
- Design of reinforced concrete engineering structures for thermal stresses. Krichevskii, A.P., [1984, 149p., rus] 39-771
- Ice strength in relation to grain size at high temperatures. Schulson, E.M., [1984, p.1439-1442, eng] 39-1647
- Tensile strength of ice as a function of grain size. Currier, J.H., et al. [1982, p.1511-1514, eng] 39-1657
- Indentation spalling of edge loaded ice sheets. Palmer, A.C., et al. [1984, p.113-121, eng] 39-1761
- Fracture toughness evaluation of steels for Arctic marine use. [1984, var.p., eng] 39-2256
- Mechanics of fracture applied to ice. Miller, K.J., [1984, p.135-146, eng] 39-2307
- Fracture toughness of glacier ice. Andrews, R.M., et al. [1984, p.39-50, eng] 39-2308
- Fracture theory for brittle materials with application to ice. Bazant, Z.P., et al. [1985, p.917-930, eng] 39-3231
- France**
- Avalanche activity of the 1983-1984 season. [1984, p.3-18, fre] 39-2670
- Alps**
- Solute acquisition in glacial melt waters. II. Argentiére (French Alps): bulk melt waters with open-system characteristics. Thomas, A.G., et al. [1984, p.44-48, eng] 39-241
- Glaciers and rock glaciers in the southern French Alps. Evain, M., et al. [1983, p.27-41, fre] 39-1631
- Snow cover variations in mountain environments. Risser, V., et al. [1984, p.287-296, eng] 39-2000
- Caen**
- Soil freezing and frost heaving at the Caen experiment. Smith, M.W., [1984, p.19-21, eng] 39-3040
- Laboratory characterization of frost heaving of Caen silt. Dallimore, S.R., [1984, p.23-26, eng] 39-3041
- Frazil ice**
- Modeling the freezing process of slush-bearing rivers. Abramov, N.M., [1984, 100p., rus] 39-53
- Studies of ice-algal communities in the Weddell Sea. Garrison, D.L., et al. [1983, p.179-181, eng] 39-309
- Relative abundance of diatoms in Weddell Sea pack ice. Clarke, D.B., et al. [1983, p.181-182, eng] 39-310
- Performance of the Allegheny River ice control structure. Deck, D.S., et al. [1984, 15p., eng] 39-381
- Modeling intake performance under frazil ice conditions. Dean, A.M., Jr., [1984, p.559-563, eng] 39-616
- Rise pattern and velocity of frazil ice. Wuebben, J.L., [1984, p.297-316, eng] 39-1469
- Measurements of frazil and drifting ice in the Lachine rapids. Michel, B., et al. [1984, p.317-343, eng] 39-1470
- Laboratory experiments on frazil ice growth in supercooled water. Ettema, R., et al. [1984, p.43-58, eng] 39-1621
- Dynamics of frazil ice formation. Daly, S.F., et al. [1984, p.161-172, eng] 39-1765
- Types of ice run and conditions for their formation. Matoušek, V., [1984, p.315-327, eng] 39-1779
- Frazil and anchor ice. Osterkamp, T.E., et al. [1985, 17p., eng] 39-2712
- Hydraulic characteristics of frazil flocs. Park, C., et al. [1984, p.27-35, eng] 39-3468
- Frazil concentration measurement in the laboratory and in the field. Tsang, G., [1984, p.99-111, eng] 39-3474
- Ice engineering in 1984. Michel, B., [1984, p.301-325, eng] 39-3503
- Sea ice morphology and characteristics. Stringer, W.J., [1985, p.1-28, eng] 39-3638
- Freeze drying**
- Dimethyl sulfoxide and soil structure during freeze-drying. Keng, J.C.W., et al. [1985, p.289-293, eng] 39-2935
- Freeze thaw cycles**
- Liquid mixtures separation in a freezing-out process. Gradot, L., et al. [1984, p.1141-1148, eng] 39-89
- Moisture absorption of thermal insulations. Bomberg, M., [1983, p.232-249, eng] 39-142
- Vormund test road. Part 3: Observations and results. Nordal, R.S., ed. [1984, 165p., nor] 39-287
- "Ploughing blocks" in Tien Shan highlands. Tarakanov, A.G., [1984, p.88-95, rus] 39-318
- Mobility of Ca and Na in freezing-thawing grounds. Zolotareva, B.N., et al. [1984, p.58-62, rus] 39-419
- Conductive backfill for improving electrical grounding in frozen soils. Sellmann, P.V., et al. [1984, 19p., eng] 39-561
- Additional frost heave testing on Caen silt. [1984, 6p., + append., eng] 39-565
- Foundations in high altitude permafrost. Gehrig, G.B., et al. [1983, p.1-9, eng] 39-613
- Diurnal freeze thaw at high latitudes. Wexler, R.L., [1984, 22p., eng] 39-623
- Nonequilibrium crystallization of moisture in frozen soils. Nesterov, I.I., et al. [1984, p.928-932, rus] 39-746
- Aerated ash concretes for the Far North. Zlatinskaia, T.V., et al. [1984, p.11-12, rus] 39-825
- Building failure during thawing of grouted panel joints. Shapiro, G.A., et al. [1984, p.20-22, rus] 39-830
- Hydrothermal processes beneath Arctic river channels. Wankiewicz, A., [1984, p.1417-1426, eng] 39-880

- Freezing and thawing of soil in the Rocky Mts., Colorado. Cortie, A.E., et al. [1972, p.1-6, eng] 39-484
- Arctic concrete technology. Kivckas, L., et al. [1984, 149p., fin] 39-1023
- Salt action on concrete. Sayward, J.M., [1984, 69p., eng] 39-1046
- Study of frost-heave mechanics of high-clay content soils. Yong, R.N., et al. [1984, p.502-508, eng] 39-1051
- Treatment of fuel peat by the addition of lime with a freeze-thaw cycle. Sharp, J.J., [1983, p.749-750, eng] 39-1122
- Effect of polymers on freeze-thaw resistance of concretes. Chandra, S., et al. [1982, p.111-115, eng] 39-1247
- Halos of stones. Weisburd, S., [1985, p.42-44, eng] 39-1275
- Soil formation in southern taiga. Dvornikova, L.L., [1984, p.73-79, rus] 39-1304
- Shore and lake bottom formation in permafrost areas. Shirokov, V.M., [1984, p.10-26, rus] 39-1417
- Evaluation of concrete cores from Waterbury Dam, Waterbury, Vermont. Pace, C.E., et al. [1982, 61p., eng] 39-1511
- Identifying damages of airport pavements. Smirnov, E.N., et al. [1984, 152p., rus] 39-1554
- Estimating the service life of reinforced concrete structures at low temperatures. Guzeev, E.A., et al. [1984, p.9-10, rus] 39-1558
- Effect of natural brine deicing agents on pavements. Eck, R.W., et al. [1983, p.24-31, eng] 39-1646
- Complex freezing-melting interfaces in fluid flow. Epstein, M., et al. [1983, p.293-318, eng] 39-1648
- Conduction phase change beneath insulated heated or cooled structures. Lunardini, V.J., [1982, 40p., eng] 39-1746
- Effects of freeze thaw cycles on structure of loamy sediments. Pissart, A., [1984, p.553-565, eng] 39-2086
- Radar investigations above the trans-Alaska pipeline near Fairbanks. Arcone, S.A., et al. [1984, 15p., eng] 39-2098
- Design and performance of water-retaining embankments in permafrost. Sayles, F.H., [1984, p.31-42, eng] 39-2124
- Thermal regime of permafrost soils in the USSR. Gavrilova, M.K., [1984, p.226-230, eng] 39-2162
- Investigation of the deformation of clayey soils resulting from frost heaving and thawing in foundations due to loading. Malyshev, M.A., et al. [1984, p.259-263, eng] 39-2168
- Asymmetries of the melting transition. Bilgram, J.H., [1983, p.335-346, eng] 39-2271
- High altitude rock weathering processes. Whalley, W.B., [1984, p.365-373, eng] 39-2312
- Interaction of self heated thermistor probe with a freezing front moving through moist porous media. Pinczak, A.C., [1985, p.16-21, eng] 39-2390
- Analyzing numerical errors in domain heat transport models using the CVBEM. Hromadka, T.V., II, [1985, p.22-30, eng] 39-2391
- Use of plastic fabric for pavement protection during frost break. Andersson, O., [1977, p.143-149, eng] 39-2470
- Deflectometer for prediction of damage on highways during spring thaw. Stubbstad, R.N., et al. [1983, p.46-51, eng] 39-2477
- Effects of freeze-thaw softening on a natural clay at low stresses. Graham, J., et al. [1985, p.69-78, eng] 39-2486
- Chloride and freeze thaw deterioration of hardened cement. Fujii, T., et al. [1984, p.209-217, jpn] 39-2489
- Structure of loamy sediments due to freeze thaw cycles. Van Vliet-Lanoë, B., et al. [1984, p.553-565, eng] 39-2492
- Creep and sliding in clay slopes during freeze thaw cycles. Czudra, K.A., et al. [1984, 45p., eng] 39-2514
- Freeze-thaw and consolidation effects on strength of a wet silt loam. Formanek, G.E., et al. [1984, p.1749-1752, eng] 39-2672
- Experimental production of gelifractions. Lautridou, J.P., [1984, p.15-18, fre] 39-2678
- Snow and ice effects on structures. Booth, R.L., [1984, p.127-138, eng] 39-2689
- New look at pothole patching. [1982, p.16-17, eng] 39-2725
- Pipelines and frost heave. [1984, 75p., eng] 39-3038
- Experimental observations of differential heaving and thaw settlement around a chilled pipeline. Dallimore, S.R., et al. [1984, p.5-17, eng] 39-3039
- Laboratory characterization of frost heaving of Caen silt. Dallimore, S.R., [1984, p.23-26, eng] 39-3041
- Bending stresses in pipe due to frost heave. Bowes, W.H., [1984, p.31-33, eng] 39-3043
- Arctic island construction. Robertson, F.P., [1985, p.48-56, eng] 39-3162
- Effects of external loadings on large-diameter buried pipelines. Thomas, H.P., et al. [1985, p.754-762, eng] 39-3220
- Air-entrained concrete durability to freezing and thawing. [1985, p.351-353, eng] 39-3283

- Cryptocollithic microbial environment in the antarctic cold desert: temperature variations in nature.** McKay, C.P., et al., 1985, p.19-25, eng 39-3556
- Freeze thaw cycles, leaching and loss of soluble leaf carbohydrates.** Hurst, J.L., et al., 1985, p.27-31, eng 39-3557
- Modern periglacial process in the central part of Tian Shan.** Ji, Z., 1980, p.1-11, chi 39-3694
- Thermal state and stability of tunnel in Tumengela coalmine, Xizang.** Li, S., et al., 1980, p.46-50, chi 39-3701
- Protecting pavement or concrete materials against the effects of the destructive action of freezing and thawing of water or brine solutions.** Hansen, C.N., 1978, 24 col., eng 39-3852
- Automated soils freezing test.** Chamberlain, E.J., 1985, 5p., eng 39-3903
- Dalton Highway: characterization of foundation soils.** Vita, C.L., et al., 1984, 30p. + appenda, eng 39-3904
- Frost shattering of the carvings in Temiya Cave, Otaru.** Fukuda, M., 1984, p.171-180, jpn 39-4046
- Hydraulic potential below frozen ground.** Pikul, J.L., Jr., et al., 1985, p.164-168, eng 39-4053
- Freeze thaw resistance of concrete.** Virtanen, J., 1982, p.923-931, eng 39-4066
- Freeze thaw durability of cements with various slag contents.** Pigeon, M., et al., 1982, p.979-998, eng 39-4067
- See also: Seasonal freeze thaw**
- Freeze thaw tests**
- Dewatering aqueous suspensions by freeze-thaw technique.** Baskerville, R.C., 1971, p.141-144, eng 39-278
- Analyses of stresses developed in pipelines buried in freezing ground.** 1984, 59p., eng 39-566
- Concrete from crushed Jurassic limestone.** Collins, R.J., 1983, p.127-138, eng 39-810
- Changes in strength of silt due to freeze-thaw.** Alkire, B.D., et al., 1984, p.48-53, eng 39-1144
- Freeze-thaw effect on hydrophobic components in micelles.** Kano, K., et al., 1984, p.5087-5092, eng 39-2713
- Fly ash, silica fume, slag and other mineral by-products in concrete.** 1983, 1182p. (2 vols.), eng 39-4064
- Freeze thaw tests of concrete exposed to deicing chemicals.** Sorensen, E.V., 1982, p.709-718, eng 39-4065
- Freeze thaw resistance of concrete containing slag.** Murata, J., et al., 1982, p.999-1005, eng 39-4068
- Freezeup**
- Microwave emission from High Arctic sea ice during freeze-up.** Hollinger, J.P., et al., 1984, p.8104-8122, eng 39-217
- Influence of stratospheric circulation, water temperature in the northern Atlantic Ocean, and clouds over the Atlantic, on the dates of ice appearance on rivers of the European part of the USSR.** Ginzburg, B.M., et al., 1984, p.17-30, rus 39-435
- Ice conditions of the St. Lawrence River, 1971-1981.** Greene, G.M., 1984, 19p., eng 39-478
- Ice formation on Minnesota lakes using LANDSAT data.** Stefan, H., et al., 1979, 98p., eng 39-487
- Forecasting water temperature decline and freeze-up in rivers.** Shen, H.T., et al., 1984, 17p., eng 39-802
- Workshop on Hydraulics of River Ice.** 3rd, 1984, 456p., eng 39-1454
- Study of river ice breakup using hydrometric station records.** Belmont, S., 1984, p.41-64, eng 39-1456
- Ice jam research needs.** Gerard, R., 1984, p.181-193, eng 39-1463
- Numerical simulation of freeze-up on the Ottawa/Quebec River.** Calkins, D.J., 1984, p.247-277, eng 39-1467
- Improved ice control with better understanding of thermal regime of the international section of St. Lawrence River.** Bunte-Bisnett, D., et al., 1984, p.371-386, eng 39-1472
- Forecasting snow and black ice growth from temperature and precipitation.** Bengtsson, L., 1984, p.173-185, eng 39-1766
- Regularity of the freezing-up of the water surface and heat exchange between water body and water surface.** Matoušek, V., 1984, p.187-200, eng 39-1767
- Strategic hydro power operation at freeze-up reduces ice jamming.** Billfalk, L., 1984, p.265-275, eng 39-1775
- Types of ice run and conditions for their formation.** Matoušek, V., 1984, p.315-327, eng 39-1779
- Estimating ice breakup dates for rivers of the Kara Sea basin.** Nalimov, I.U., et al., 1984, p.97-110, rus 39-2020
- Ice cover progression in large rivers.** Michel, B., 1984, p.798-814, eng 39-2493
- Changes in the Canadian definitions of break-up and freeze-up.** Catchpole, A.J.W., et al., 1974, p.133-138, eng 39-2499
- Effect of air temperature on the duration of lake ice cover.** Lassanen, O., 1984, p.57-67, eng 39-3470
- One-man submersibles.** Boulton, S.B., 1985, p.305-310, eng 39-3677
- Summer season along Hudson Bay, 19th century.** Wilson, C.V., 1985, 38p. + figs., eng 39-3691
- Freezing**
- Liquid mixtures separation in a freezing-out process.** Gradon, L., et al., 1984, p.1141-1148, eng 39-89
- Comparison of Stefan model with two-phase model of coal drying.** Lyczkowski, R.W., et al., 1984, p.1157-1169, eng 39-90
- Molecular structure of crystals in frozen aqueous solutions.** Milligan, R.A., et al., 1984, p.1-9, eng 39-231
- Englacial deltaic sediments as evidence for basal freezing and marginal shearing, Leirbreen southern Norway.** Harris, C., et al., 1984, p.30-34, eng 39-239
- On physical properties in the process of freezing and the method of its research.** Ding, D., 1983, p.19-26, chi 39-263
- Freeze crystallization.** Heist, J.A., 1979, p.72-82, eng 39-277
- Sludge dewatering by freezing.** Cheng, C.-Y., et al., 1970, p.1145-1147, eng 39-279
- Modeling two-dimensional freezing.** Albert, M.R., 1984, 45p., eng 39-383
- Diurnal freeze thaw at high latitudes.** Wexler, R.L., 1984, 22p., eng 39-623
- Homogeneous nucleation rate for water.** Hagen, D.E., et al., 1984, p.1416-1418, eng 39-652
- Graphical ice reduction.** Hyvärinen, V., 1984, p.3.11-3.14, eng 39-1287
- Freezing of meltwater in a snow cover.** Marsh, P., et al., 1984, p.1853-1874, eng 39-1318
- Not-so-ordinary icicle.** Geer, I.W., 1981, p.257-259, eng 39-1401
- Electron microscopy and molecular theory of microstructured fluids.** Falls, A.H., 1982, 356p., eng 39-1405
- Forms of snow crystals growing from frozen cloud droplets.** Yamazaki, G., et al., 1984, p.190-192, eng 39-1737
- Estimation of internal pressure due to a growth of ice thickness in a caisson.** Sacki, H., et al., 1984, p.97-109, eng 39-1796
- Extraction of piles by repeated water-level fluctuations.** Thunbo Christensen, F., et al., 1984, p.111-121, eng 39-1797
- Analysis of piles frozen-in to an ice cover and subjected to forces that cause pile bending.** Kerr, A.D., 1984, p.123-134, eng 39-1798
- Dynamics of supercooled liquids and the glass transition.** Bengtzelius, U., et al., 1984, p.5915-5934, eng 39-2048
- Vitrification of pure liquid water by high pressure jet freezing.** Mayer, E., et al., 1982, p.715-718, eng 39-2210
- Flashover tests of artificially iced insulators.** Charneski, M.D., et al., 1982, p.2429-2433, eng 39-2237
- Asymmetries of the melting transition.** Bilgram, J.H., 1983, p.335-346, eng 39-2271
- Technique for observing freezing fronts.** Colbeck, S.C., 1985, p.13-20, eng 39-2563
- Theoretical model of the fracture of rock during freezing.** Walder, J., et al., 1985, p.336-346, eng 39-3097
- Freezing mechanism in some solidification problems.** Cheng, K.C., et al., 1982, p.497-502, eng 39-3263
- Conditions of regelation of sea ice in the Arctic.** Gorbunov, I.U.A., et al., 1984, p.23-31, eng 39-3660
- Density functional theory of freezing: results and high-density artifacts.** Haymet, A.D.J., 1985, p.887-889, eng 39-3898
- Heat and mass transfer during freezing of aqueous solutions.** Wollhöver, K., et al., 1985, p.761-769, eng 39-3925
- See also: Artificial freezing; Concrete freezing; Ice formation; Pipeline freezing; Regulation; Sea water freezing; Seasonal freeze thaw; Soil freezing**
- Freezing depth**
- See: Frost penetration**
- Freezing indexes**
- Investigation of seasonal load restrictions in Washington State.** Mahoney, J.P., et al., 1984, 35p., eng 39-1321
- Freezing point depressants**
- See: Antifreezes**
- Freezing points**
- Fish antifreeze protein and the freezing and recrystallization of ice.** Knight, C.A., et al., 1984, p.295-296, eng 39-18
- See also: Melting points**
- Freezing rate**
- Artificial ice masses in Arctic seas.** Mel'nikov, P.I., et al., 1984, p.264-267, eng 39-2169
- Friction**
- Roughness criterion for steel piles in frozen sand.** Alwahhab, M.R.M., et al., 1984, p.1288-1291, eng 39-112
- Basal sliding relations deduced from ice-sheet data.** Morland, L.W., et al., 1984, p.131-139, eng 39-1668
- Equipment for frost heave tests: friction between plastic and soil.** Admasie, D., et al., 1982, 6p., eng 39-1724
- Control of bearing friction in propellers of icebreakers.** Dufrene, K.F., et al., 1982, p.762-766, eng 39-2219
- Supplement to Anno's modelling conditions for a snowdrift.** Anno, Y., 1985, p.193-195, eng 39-2562
- Frost**
- Analysis of remotely sensed reflectance data on frost.** Clark, R.N., et al., 1984, p.6329-6340, eng 39-326
- Diurnal freeze thaw at high latitudes.** Wexler, R.L., 1984, 22p., eng 39-623
- Physics of the patterns of frost on a window, plus an easy-to-read sundial.** Walker, J., 1980, p.230-238, eng 39-1208
- Frost formation on a parallel-plate heat exchanger.** O'Neal, D.L., et al., 1982, 187p., eng 39-1231
- Annual heat balance of Martian polar caps: Viking observations.** Paige, D.A., et al., 1985, p.1160-1168, eng 39-3365
- Air and soil temperature under radiative frost conditions.** Cellier, P., 1984, p.741-747, frej 39-3366
- Incipient phenomena of frost formation.** Seki, N., et al., 1984, p.2476-2482, eng 39-3392
- Frost action**
- Cryolithological peculiarities of bedrocks in the northeastern USSR.** Kolesnikov, S.F., 1984, p.92-95, rus 39-42
- Duration of the freezing of bodies with variable temperature of the medium.** Koval'kov, V.P., 1984, p.78-84, eng 39-352
- Cryogenic relief of western Siberia.** Shpolianskaia, N.A., 1984, p.17-23, rus 39-580
- Revegetation of an alpine area.** Roach, D.A., et al., 1984, p.37-43, eng 39-603
- Frost damage evaluation in seedlings of *Pinus radiata*.** Greer, D.H., 1983, p.72-79, eng 39-665
- Design of reinforced concrete engineering structures for thermal stresses.** Krichevskii, A.P., 1984, 149p., rus 39-771
- Frost weathering of clayey lake shores.** Shul'gin, M.V., 1984, p.134-135, rus 39-916
- Rate of lake shore erosion in permafrost areas.** Shul'gin, M.V., 1984, p.135-136, rus 39-917
- Frost weathering and the saturation of coastal rocks.** Trenhaile, A.S., et al., 1984, p.321-331, eng 39-1017
- Materials and design of technical equipment for the North.** Urzhumtsev, I.U.S., ed., 1984, 85p., rus 39-1112
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- Peculiarities of formation of cryogenic halos and dispersion flows.** Shvartsev, S.L., 1984, p.35-42, rus 39-1193
- Geochemical exploration in permafrost areas.** Pitul'ko, V.M., 1984, p.42-45, rus 39-1194
- Frost resistance of reinforced concrete pavement plates.** Evlanov, S.F., et al., 1984, p.22-23, rus 39-1308
- Frost damage of the protecting slope of the reservoir dams and the treatments to them in Suihua area.** Wu, Y., 1984, p.69-76, chi 39-1542
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- Ice factor in frozen ground.** Gold, L.W., 1985, p.74-95, eng 39-2695
- Hydrology of mountain peat bogs.** Puns and Cordillera, Argentina. Igarzábal, A.P., 1984, p.106-115, spa 39-3945
- Frost forecasting**
- Prediction of frost heave of roads.** Saetersdal, R., 1983, p.27-30, eng 39-315
- Predicting frost penetration in saturated porous materials.** Olsen, M.P.J., 1982, 154p., eng 39-2060
- Use of satellites in frost forecasting: SIPHES project.** Caselles, V., et al., 1984, p.461-465, eng 39-2546
- Frost heave**
- Heat and moisture transfer in frost-heaving soils.** Guymon, G.L., et al., 1984, p.336-343, eng 39-24
- Reducing frost heave.** Baker, G.C., et al., 1984, p.10-15, eng 39-81
- Frost heaving of multigraded soils.** Johansson, H.G., 1984, p.95-98, eng 39-147
- Determination of frost-heave forces in soils.** Tishin, V.G., et al., 1984, p.240-243, eng 39-151
- Vormund test road. Part 3: Observations and results.** Nordal, R.S., ed., 1984, 165p., norj 39-287
- Cold regions engineering in Norway.** Flaate, K., 1983, p.5-6, eng 39-312
- Prediction of frost heave of roads.** Saetersdal, R., 1983, p.27-30, eng 39-315
- Engineering and geocryological investigations.** Derugin, A.G., ed., 1994, 76p., rus 39-407
- Depth of foundation laying in deeply freezing ground.** Elgin, B.B., 1984, p.37-42, rus 39-415
- Additional frost heave testing on Caen silt.** 1984, 6p. + appenda., eng 39-565
- Analyses of stresses developed in pipelines buried in freezing ground.** 1984, 59p., eng 39-566
- Near-surface ground ice in Arctic Alaska.** Outcalt, S.I., 1982, p.123-147, eng 39-660
- Stresses in artificially frozen zones of mine shafts.** Kazikaev, D.M., et al., 1984, p.11-13, rus 39-824
- Lake bottom heave in permafrost.** Richards, I. N. W. T. Mackay, J.R., 1984, p.173-177, eng 39-882

Frost heave (cont.)

- Foundations of light-weight buildings on permafrost. Gerasimov, A.S., (1984, 152p., rus) 39-955
- Ice segregation and frost heaving. (1984, 72p., eng) 39-1042
- Study of frost-heave mechanics of high-clay content soils. Yong, R.N., et al, (1984, p.502-508, eng) 39-1051
- Model of ice segregation in soils. Hromadka, T.V., II, et al, (1984, p.515-520, eng) 39-1053
- Numerical solutions for a rigid-ice model of secondary frost heave. O'Neill, K., et al, (1982, 11p., eng) 39-1266
- Frost damage of the protecting slope of the reservoir dams and the treatments to them in Suihua area. Wu, Y., (1984, p.69-76, chi) 39-1542
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- Equipment for frost heave tests: friction between plastic and soil. Admasie, D., et al, (1982, 6p., eng) 39-1724
- Modeling cryogenic physical processes. Grechishchev, S.E., et al, (1984, 230p., rus) 39-1907
- Role of heat and water transport in frost heaving of porous soils. Nakano, Y., et al, (1984, p.93-102, eng) 39-1936
- Frost susceptibility of soil: review of index tests. Chamberlain, E.J., (1981, 110p., eng) 39-2034
- Cryogenic landforms of King George Island, South Shetland Islands. Vtjurin, B.I., et al, (1985, p.77-82, rus) 39-2039
- International Conference on Permafrost, 4th, 1983; Final proceedings. (1984, 413p., eng) 39-2120
- Current developments in China on frost-heave processes in soil. Chen, X., (1984, p.55-60, eng) 39-2127
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- Moisture migration in frozen soils. Williams, P.J., (1984, p.64-66, eng) 39-2129
- Status of numerical models for heat and mass transfer in frost-susceptible soils. Berg, R.L., (1984, p.67-71, eng) 39-2130
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- Investigation of the deformation of clayey soils resulting from frost heaving and thawing in foundations due to loading. Malyshev, M.A., et al, (1984, p.259-263, eng) 39-2168
- Tensile strength of unsaturated soils. Snyder, V.A., et al, (1985, p.58-65, eng) 39-2451
- Formation of ice layer continuously segregated in soil freezing. Takeda, K., et al, (1984, p.179-187, jpn) 39-2475
- Restraint of frost heaving and thaw settlement of soil by cement addition. Ohrai, T., et al, (1984, p.189-197, jpn) 39-2476
- Determining economic effectiveness of frost heave countermeasures. Reifel, S.L., (1982, p.16-20, rus) 39-2520
- Frost heave in active layer during freezing. Mackay, J.R., (1984, p.439-446, eng) 39-2681
- Soil freezing and frost heave at Inuvik, N.W.T. Smith, M.W., (1985, p.283-290, eng) 39-2682
- Snow and ice effects on structures. Booth, R.L., (1984, p.127-138, eng) 39-2689
- Ice factor in frozen ground. Gold, L.W., (1985, p.74-95, eng) 39-2695
- Models of soil freezing. Smith, M.W., (1985, p.96-120, eng) 39-2696
- Step function model of ice segregation. Outcalt, S.L., (1985, p.121-132, eng) 39-2697
- Periglacial problems. Washburn, A.L., (1985, p.166-202, eng) 39-2700
- Frost-heaved bedrock features. Burn, C.R., (1984, p.205-207, fre) 39-2723
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- Subgrades built of water-logged soils with vertical drains. Korsunskii, M.B., et al, (1984, p.4-5, rus) 39-2851
- Site surveying for smaller structures in permafrost areas. Druzhinin, M.K., (1985, p.18-19, rus) 39-2864
- Behavior of cold gas pipelines and cryogenic suction. Blanchard, D., et al, (1985, p.124j)-(124j6, fre) 39-2869
- Pipelines and frost heave. (1984, 75p., eng) 39-3038
- Experimental observations of differential heaving and thaw settlement around a chilled pipeline. Dallimore, S.R., et al, (1984, p.5-17, eng) 39-3039
- Soil freezing and frost heaving at the Caen experiment. Smith, M.W., (1984, p.19-21, eng) 39-3040
- Laboratory characterization of frost heaving of Caen silt. Dallimore, S.R., (1984, p.23-26, eng) 39-3041
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- Bending stresses in pipe due to frost heave. Bowes, W.H., (1984, p.31-33, eng) 39-3043
- Soil-pipeline interaction: a review of the problem. Kettle, R.J., (1984, p.35-37, eng) 39-3044
- Caen pipeline experiment: first year of results. Ladanyi, B., et al, (1984, p.39-42, eng) 39-3045
- Frost heave and thaw settlement test facilities. Carlson, L.E., (1984, p.43-47, eng) 39-3046
- Soil freezing and test conditions. McCabe, E.Y., et al, (1984, p.49-53, eng) 39-3047
- Method for predicting frost heave of buried pipelines. Nixon, J.F., (1984, p.55-59, eng) 39-3048
- Mitigative and remedial measures for chilled pipelines in discontinuous permafrost. Sayles, F.H., (1984, p.61-62, eng) 39-3049
- Some reflections on fundamental research in the freezing of soils. Aguirre-Puente, J., (1984, p.63-65, eng) 39-3050
- The industrial problem. Raulin, P., (1984, p.67, eng) 39-3051
- Soil-pipe interaction during ground movement. Selvadurai, A.P.S., (1985, p.763-773, eng) 39-3221
- Analysis of data from the Calgary frost heave test facility. (1984, 29p. + figs., eng) 39-3268
- Exploration of a rigid ice model of frost heave. O'Neill, K., et al, (1985, p.281-296, eng) 39-3276
- Symposium on artificial ground freezing, 1984. (1985, 54p., eng) 39-3406
- Model of frost heave and ice lensing including overburden pressure. Frost, S.R., (1984, p.13-18, eng) 39-3409
- Some results from a mathematical model predicting ice lensing and frost heave. Piper, D., et al, (1984, p.19-28, eng) 39-3410
- Experience with a chilled gas pipeline. Kettle, R.J., (1984, p.43-48, eng) 39-3413
- Influence of grain-size constituent on frost heave in fine sand. Wang, Z., (1980, p.24-28, chi) 39-3697
- Experimental research of frost heave under different level of groundwater in various soils. Wang, S., (1980, p.40-45, chi) 39-3700
- Automated soils freezing test. Chamberlain, E.J., (1985, 5p., eng) 39-3903
- Improving the resistance of soils to frost heave. Khabibullina, E.N., (1983, p.18-19, rus) 39-3921
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- Frost mounds**
- Computer simulation of buoyancy and snow-cover effects in palis dynamics. Outcalt, S.L., et al, (1984, p.259-263, eng) 39-720
- Permafrost structure in the Chara basin. Sannikov, S.A., et al, (1984, p.55-65, rus) 39-840
- Seasonal frost mounds, North Fork Pass, northern Yukon Territory. Pollard, W.H., (1983, p.11-23, eng) 39-1020
- Deflation measurements of Hietatievat, Finnish Lapland, 1974-77. Seppälä, M., (1984, p.39-49, eng) 39-2265
- Palsas and permafrost distribution in the Northern Hemisphere. Dionne, J.C., (1984, p.165-184, fre) 39-2721
- Road construction in palsa fields. Keyser, J.H., et al, (1984, p.26-36, eng) 39-3418
- See also: Hummocks; Pingos
- Frost penetration**
- Cryogenesis and the formation of soil. Khudiakov, O.I., (1984, 166p., rus) 39-28
- Regional characteristics of soil formation in monsoon areas after forest fires. Sapozhnikov, A.P., (1982, p.117-124, rus) 39-31
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- Depth of foundation laying in deeply freezing ground. Elgin, B.B., (1984, p.37-42, rus) 39-415
- Mobility of Ca and Na in freezing-thawing grounds. Zolotareva, B.N., et al, (1984, p.58-62, rus) 39-419
- Permafrost development in northern West Siberia. Vasil'chuk, I.U.K., et al, (1984, p.134-143, rus) 39-426
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- Nonequilibrium crystallization of moisture in frozen soils. Nesterov, I.I., et al, (1984, p.928-932, rus) 39-746
- Inclined drainage of earth dams in the North. Moshkova, M.A., et al, (1980, p.52-55, rus) 39-753
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- Improving shaft sinking by artificial freezing of ground. Shparber, P.A., (1984, p.6-8, rus) 39-822
- Formation and spatial distribution of ground ice accumulations in the Yamal Peninsula. Orlianskii, V.V., (1984, p.22-31, rus) 39-835
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- Predicting thermal state of the ground during economic development of northern regions. Cherniadin, V.P., et al, (1984, 137p., rus) 39-869
- Freezing and thawing of soil in the Rocky Mts. Colorado. Corte, A.E., et al, (1972, p.43-56, eng) 39-884
- Rate of lake shore erosion in permafrost areas. Shul'gin, M.V., (1984, p.135-136, rus) 39-917
- "Wall in the ground" at subzero temperatures. Iakimov, E.A., (1984, p.15-16, rus) 39-939
- Woody plants in northern monsoon climate. Karpenko, N.P., (1976, p.23-29, rus) 39-1072
- Using cluster analysis in distinguishing ecological groups of plants. Shelstova, T.F., et al, (1976, p.57-68, rus) 39-1073
- Calculating the depth of discontinuous permafrost beneath buildings. Khristalev, L.N., et al, (1984, p.30-33, eng) 39-1076
- Soil formation in southern taiga. Dvornikova, L.L., (1984, p.73-79, rus) 39-1304
- Investigation of seasonal load restrictions in Washington State. Mahoney, J.P., et al, (1984, 35p., eng) 39-1321
- Investigations of the forestry research station of the Academy of Sciences of the USSR. Vomperkii, S.E., ed, (1984, 173p., rus) 39-1412
- Studies of northern taiga forests at the Onega research station. Ryabin, L.P., (1984, p.10-24, rus) 39-1413
- Studying taiga vegetation in the Severnaya research station. Orlov, A.I.A., (1984, p.36-57, rus) 39-1414
- Permafrost formation in the Chita-Ingoda depression. Shavrin, P.A., (1984, p.151-154, rus) 39-1420
- Engineering geology, Section S.17. Proceedings, Vol.17. (1984, 144p., rus) 39-1437
- Physico-chemical processes in freezing fines. Ershov, E.D., (1984, p.129-136, rus) 39-1440
- Identifying damages of airport pavements. Smirnov, E.N., et al, (1984, 152p., rus) 39-1554
- Radial stresses acting on well walls at different depths during freezing of fluids in caverns. Antipov, V.I., et al, (1984, p.27-28, rus) 39-1836
- Predicting frost penetration in saturated porous materials. Olsen, M.P.J., (1982, 154p., eng) 39-2060
- Physical simulation of water migration in soil freezing. Kaliuzhnyi, I.L., et al, (1984, p.61-67, eng) 39-2466
- Effect of ice surface orientation on intensity of water-to-ice heat transfer under free convection conditions. Gogolev, E.S., et al, (1984, p.321-324, eng) 39-2550
- Step function model of ice segregation. Outcalt, S.L., (1985, p.121-132, eng) 39-2697
- Energy balance and ground frost: a statistical analysis. Singh, B., et al, (1984, p.135-147, fre) 39-2720
- Producing artificial ice layers over large areas. Sosnovskii, A.V., (1984, p.223-231, rus) 39-2736
- Subgrades built of water-logged soils with vertical drains. Korsunskii, M.B., et al, (1984, p.4-5, rus) 39-2851
- Materials and methods of subnivian sampling. Schmid, W.D., (1984, p.25-32, eng) 39-2930
- Adsorption of organic substances on dispersed ice surfaces. Fedoseeva, V.I., et al, (1985, p.124-127, rus) 39-3363
- Ways of controlling the fertility of developed peat soils in northern Europe. Sin'kevich, E.I., (1985, 267p., rus) 39-3593
- Climate changes in a spruce stand in northern Quebec. Payette, S., et al, (1985, p.125-138, eng) 39-3889
- Thermorheological properties of frozen ground. Grechishchev, S.E., (1978, p.595-598, rus) 39-4006
- See also: Thaw depth
- Frost protection**
- Low cost road tunnel developments in Norway. Grønhaug, A., (1983, p.31-37, eng) 39-316
- Provision of utilities and services for single-family housing areas. Gunderson, P., (1984, p.3-31, nor) 39-734
- Foundations for single-family houses. Torgersen, S.E., (1984, p.33-49, nor) 39-735
- Frost preventive layer of pavements in permafrost. Bing, W., (1984, p.69-76, chi) 39-3519
- Frost resistance**
- Reducing frost heave. Baker, G.C., et al, (1984, p.10-15, eng) 39-81
- Cold weather construction, Alaska. (1984, 4 parts, eng) 39-139
- Frost resistance of polymer-treated concretes. Kapkin, M.M., et al, (1984, p.11-12, rus) 39-355
- Additional frost heave testing on Caen silt. (1984, 6p. + appends., eng) 39-565
- Frost hardness of *Pinus radiata*. Greer, D.H., (1983, p.80-86, eng) 39-666
- Aerated ash concretes for the Far North. Zlatinskaya, T.V., et al, (1984, p.11-12, rus) 39-825
- Frost resistance of polymers. Starzhnetskaia, T.A., et al, (1984, p.49-54, rus) 39-1113
- Properties of concrete made with alinite-portland-cements. Mironov, S.A., et al, (1984, p.22-23, rus) 39-1550
- Estimating the service life of reinforced concrete structures at low temperatures. Guzeev, E.A., et al, (1984, p.9-10, rus) 39-1558
- Rheological properties of concrete mixtures subjected to percussion-vibration. Falusovich, A.S., et al, (1984, p.68-71, rus) 39-1982
- Characterization and use of fly ash and copper slag: soil stabilization. Das, B.M., et al, (1983, 46p., eng) 39-2091
- Status of numerical models for heat and mass transfer in frost-susceptible soils. Berg, R.L., (1984, p.67-71, eng) 39-2130
- New look at pothole patching. (1982, p.16-17, eng) 39-2725
- Concrete under arctic conditions. Kivekas, L., et al, (1985, 53p. + appends., eng) 39-2832

- Mortar in historic buildings. Perander, T., et al. (1985, 48p. + append., fin) 39-2839
- Frost resistance of Norway spruce seedlings. Salai, J., et al. (1984, p.144-148, eng) 39-3428
- Analyzing structures of light-weight steel trusses for frost resistance. Silvestrov, A.V., et al. (1985, p.116-119, rus) 39-3544
- Freeze thaw durability of cements with various slag contents. Pigeon, M., et al. (1982, p.979-998, eng) 39-4067
- Frost shattering**
- Freezing and thawing of soil in the Rocky Mts., Colorado. Corte, A.E., et al. (1972, p.43-56, eng) 39-884
- Structure of the cryolithosphere of the planet Mars. Kuz'min, R.O., (1984, p.32-39, rus) 39-1453
- Two-dimensional mathematical model of frost fracturing. Gevorkian, S.G., (1985, p.55-64, rus) 39-3912
- Frost shattering of the carvings in Temiya Cave, Oturu. Fukuda, M., (1984, p.171-180, jpn) 39-4046
- Frost weathering**
- Cryolithological peculiarities of bedrocks in the northeastern USSR. Kolesnikov, S.F., (1984, p.92-95, rus) 39-42
- Frost weathering and the saturation of coastal rocks. Trenhaile, A.S., et al. (1984, p.321-331, eng) 39-1017
- High altitude rock weathering processes. Whalley, W.B., (1984, p.365-373, eng) 39-2312
- Geomorphology of the Hunza Valley, Karakoram Mountains, Pakistan. Goudie, A.S., et al. (1984, p.359-410, eng) 39-2319
- Experimental production of gelifracts. Lautridou, J.P., (1984, p.15-18, fre) 39-2678
- Modern periglacial process in the central part of Tian Shan. Ji, Z., (1980, p.1-11, chj) 39-3694
- Frostbite**
- Survival in Antarctica, 1984 edition. (1984, 101p., eng) 39-254
- Frozen cargo**
- Cost of railroad transportation of earth in freezing weather. Drukker, A.V., (1984, p.6-7, rus) 39-130
- Method of restoring the friability of frozen peat. Lishtvan, I.I., et al. (1984, p.8-10, rus) 39-794
- Construction equipment used in cold regions. Beliakov, I.U.I., et al. (1985, p.36-37, rus) 39-2867
- Reloading frozen coal in the Zhdanov port. Sharapov, V.V., et al. (1984, p.6-7, rus) 39-3537
- Equipment for thermomechanical loosening of frozen cargo. Donov, P.A., (1984, p.7, rus) 39-3538
- Frozen fines**
- Permafrost transformation induced by mining activities. Pisarskii, B.I., et al. (1982, p.119-123, rus) 39-37
- Lichens of the Yamal Peninsula. Randlane, T., (1981, p.107-109, rus) 39-78
- Strength of pile foundations built on thawing permafrost. Sal'nikov, P.I., et al. (1984, p.42-48, rus) 39-416
- Mobility of Ca and Na in freezing-thawing grounds. Zolotareva, B.N., et al. (1984, p.58-62, rus) 39-419
- Iron compounds in soddy podzols. Shvarova, T.I.U., (1984, p.79-81, rus) 39-444
- Stresses in artificially frozen zones of mine shafts. Kazikaev, D.M., et al. (1984, p.11-13, rus) 39-824
- Cryogenic microstructure of surface loams on the Anabaro-Olenekskoye plateau. Bazylev, V.A., et al. (1984, p.39-46, rus) 39-837
- Cryogenic structure of Edoma formation in the Alazeya River outcrop. Korolev, S.I.U., (1984, p.104-110, rus) 39-847
- Mao and nature in the BAM zone (environmental protection and the use of natural resources). Vorob'ev, V.V., ed. (1984, 156p., rus) 39-901
- Permafrost and environmental protection of major basins in the Stanovoy highlands. Nekrasov, I.A., et al. (1984, p.46-58, rus) 39-902
- Conference of young scientific associates on the geology and geophysics of eastern Siberia, 11th, Irkutsk, Apr 17-19, 1984. Summaries. Laperdin, V.K., ed. (1984, 240p., rus) 39-915
- Rate of lake shore erosion in permafrost areas. Shulgin, M.V., (1984, p.135-136, rus) 39-917
- Peculiarities of thawing ground compression under dynamic loads. Inozemtsev, V.K., (1984, p.148, rus) 39-920
- Seismic effect of detonating explosives in permafrost. Glazman, L.M., et al. (1984, p.40-45, rus) 39-961
- Organization of bridge construction in the western section of the BAM. Rasskazov, I.D., et al. (1984, p.17-19, rus) 39-1167
- Locating ore deposits beneath lacustrine-alluvial permafrost. Makarov, V.N., et al. (1984, p.79-84, rus) 39-1200
- Electromagnetic technique of locating water-bearing zones in permafrost. Kolchin, G.I., et al. (1984, p.77-80, rus) 39-1357
- Permafrost formation in the Chita-Ingoda depression. Shavrin, P.A., (1984, p.151-154, rus) 39-1420
- Engineering geology. Section S17. Proceedings, Vol 17 (1984, 144p., rus) 39-1437
- Physico-chemical processes in freezing fines. Ershov, E.D., (1984, p.129-136, rus) 39-1440
- Thermal regime of loams in cores of dams in freezing weather. Kochubevskaya, R.L., et al. (1984, p.36-38, rus) 39-1591
- New data on the origin of the Edoma complex. Tomirdiario, S.V., et al. (1984, p.1446-1449, rus) 39-1636
- Excavators for frozen loam containing gravel. Sokolov, L.K., et al. (1984, p.17-18, rus) 39-1832
- Thermophysical properties of loess. Komissarova, N.N., et al. (1985, p.52-63, rus) 39-1976
- Geological, zonal and climatic peculiarities of landslide formation. Sheshenia, N.L., et al. (1984, 125p., rus) 39-2042
- Pre-weakening perennially frozen rocks. El'chaninov, E.A., (1984, p.9-15, rus) 39-2340
- Manifestations of exogenic geocryological processes. Trofimov, V.T., ed. (1985, 152p., rus) 39-2373
- Irrigation of ryogenic chernozem. Poriadin, V.M., (1984, p.65-71, rus) 39-3026
- Alassy soils of the Lena-Amga interfluv. Desiatkin, R.V., (1984, 168p., rus) 39-3091
- Explosiveness of frozen rocks. Drogovello, I.Z., (1984, p.118-125, rus) 39-3394
- Factors affecting the length of detonation impulse in frozen ground. Silin, V.S., et al. (1984, p.130-136, rus) 39-3396
- Borehole blasting of deeply freezing ground and permafrost. Basistov, M.A., et al. (1984, p.149-157, rus) 39-3400
- Thermal interaction between a pipeline and the surrounding frozen ground. Brekhan, I.I.A., et al. (1984, p.149-155, eng) 39-3429
- Melting of ice in a porous medium. Anisimov, M.A., et al. (1984, p.83-88, rus) 39-3548
- Engineering geology of Siberia. Nikolaev, V.A., ed. (1985, 96p., rus) 39-3608
- Experimental studies of changes in loess caused by exogenic processes induced by construction. Tofaniuk, F.S., (1985, p.4-12, rus) 39-3609
- Theoretical bases of engineering geology. Physico-chemical bases. Sergeev, E.M., ed. (1985, 288p., rus) 39-3692
- Classification of soils according to the difficulty of their removal by single-bucket loaders. Maslov, V.A., et al. (1984, p.8-10, rus) 39-3875
- Frozen ground**
- Report of the International Conference on Permafrost, 4th, July 1983. Pewé, T.L., (1983, p.169-174, eng) 39-104
- Blast waves in frozen soils. Liakhov, G.M., et al. (1984, p.811-815, eng) 39-153
- National Chinese Conference on Permafrost, 2nd, 1981. Brown, J., et al. (1982, 58p., eng) 39-871
- Investigation of peat bog by radar. Bjelm, L., et al. (1982, 132p., swe) 39-1230
- Inclusion of frozen effects in a flood forecasting model. Anderson, E.A., et al. (1984, p.51-514, eng) 39-1292
- Transport of water in frozen soil. Nakano, Y., et al. (1984, p.172-179, eng) 39-1719
- Effects of ice content on the transport of water in frozen soils. Nakano, Y., et al. (1984, p.28-34, eng) 39-1945
- Effects of ice content on the transport of water in frozen soil. Nakano, Y., et al. (1984, p.58-66, eng) 39-1946
- Moisture migration in frozen soils. Williams, P.J., (1984, p.64-66, eng) 39-2129
- Physicochemical nature of the formation of unfrozen water in frozen soils. Akimov, I.U.P., et al. (1984, p.195-199, eng) 39-2155
- Application of microwave energy for accelerating excavation in frozen soil. Mismick, I.U.M., et al. (1984, p.268-272, eng) 39-2170
- Some aspects of ice engineering in Japan. Kitagawa, H., et al. (1985, p.271-280, eng) 39-2424
- Ice factor in frozen ground. Gold, I.W., (1985, p.74-95, eng) 39-2695
- Environmental guidelines, pits and quarries (1982, 69p., eng) 39-2900
- Infiltration in unsaturated frozen soil. Engelmark, H., (1984, p.243-252, eng) 39-3090
- Arctic earth materials for offshore construction in Alaska. Schlegel, M.G., et al. (1985, p.524-540, eng) 39-3202
- Heat and water movement in a partially frozen soil. Hornung, U., (1983, p.162-170, eng) 39-3966
- See also: Geocryology
- Frozen ground chemistry**
- Cryogenic migration of chemical elements in the upper Yana River area. Kokin, A.V., (1985, p.40-50, rus) 39-3355
- Frozen ground mechanics**
- Frozen saline soil creep. Nixon, M.S., et al. (1984, p.444-448, eng) 39-25
- Frozen soil characteristics that affect land mine functioning. Richmond, P.W., (1983, 18p., eng) 39-96
- Thermodynamic model of creep at constant stress and constant strain rate. Fish, A.M., (1984, p.143-161, eng) 39-339
- New creep equation for frozen soils and ice. Gardner, A.R., et al. (1984, p.271-275, eng) 39-404
- Seismic effect of explosion in frozen and hard rocks. Yakovlev, S.V., et al. (1984, p.27-29, rus) 39-411
- Laterally loaded piles in permafrost. Nixon, J.F., (1984, p.41-43, eng) 39-491
- Analyses of stresses developed in pipelines buried in freezing ground. (1984, 59p., eng) 39-566
- Creep behavior of frozen silt under constant uniaxial stress. Zhu, Y., et al. (1984, p.33-48, chj) 39-932
- Tertiary creep model for frozen sands (discussion). Fish, A.M., et al. (1984, p.1373-1378, eng) 39-1038
- Study of frost-heave mechanics of high-clay content soils. Yong, R.N., et al. (1984, p.502-508, eng) 39-1051
- Thermal properties of soils. Farouki, O.T., (1981, 136p., eng) 39-1258
- Equipment for frost heave tests: friction between plastic and soil. Admasic, D., et al. (1982, 6p., eng) 39-1724
- Current developments in China on frost-heave processes in soil. Chen, X., (1984, p.55-60, eng) 39-2127
- Deformation of freezing, thawing, and frozen rocks. Lebedenko, I.U.P., et al. (1984, p.248-252, eng) 39-2166
- Creep of frozen sand under isotropic and deviatoric components of stress. Domaschuk, L., et al. (1985, p.59-64, eng) 39-2396
- Frost-heaved bedrock features. Burn, C.R., (1984, p.205-207, fre) 39-2723
- Behavior of cold gas pipelines and cryogenic suction. Blanchard, D., et al. (1985, p.(124)1-(124)6, fre) 39-2869
- Creep of mountain permafrost: alpine rock glaciers. Haeblerli, W., (1985, 142p., + map, eng) 39-2912
- Caen pipeline experiment: first year of results. Ladanyi, B., et al. (1984, p.39-42, eng) 39-3045
- Strength and deformation behavior of frozen saline sand and gravel. Mahar, L.J., et al. (1985, p.557-565, eng) 39-3204
- Deformation properties of warm underocean permafrost. Shields, D., et al. (1985, p.593-603, eng) 39-3208
- Pile creep designs for frozen layered profiles. Neukirchner, R.J., (1985, p.1103-1111, eng) 39-3246
- Analysis of data from the Calgary frost heave test facility. (1984, 29p. + figs., eng) 39-3268
- Technique for producing ice from NaCl brine for studying fundamental deformation behavior. Godavarti, P.S., et al. (1985, p.173-176, eng) 39-3285
- Creep of frozen sand under isotropic and deviatoric components of stress. Domaschuk, L., et al. (1985, p.199-203, eng) 39-3290
- Contribution to the report of the working group on ice testing. Ladanyi, B., (1984, p.43-53, eng) 39-3495
- Frost preventive layer of pavements in permafrost. Bing, W., (1984, p.69-76, chj) 39-3519
- Foundations in permafrost and seasonal frost. Proceedings. (1985, 62p., eng) 39-3578
- Attenuating creep of piles in frozen soils. Parameswaran, V.R., (1985, p.16-28, eng) 39-3580
- Punch indentation of polycrystalline ice. Sego, D.C., et al. (1985, p.226-233, eng) 39-3685
- Transient creep of frozen soil beams. Klein, J., (1982, p.975-981, eng) 39-4062
- Analysis of heat flow in artificially frozen soils. Makowski, E., et al. (1982, p.1211-1220, eng) 39-4063
- Frozen ground physics**
- Field dielectric measurements of frozen silt using VHF pulses. Arcone, S.A., et al. (1984, p.29-37, eng) 39-329
- Dielectric measurements of frozen silt using time domain reflectometry. Delaney, A.J., et al. (1984, p.39-46, eng) 39-330
- Effects of magnetic particles on the unfrozen water content in soils. Tice, A.R., et al. (1984, p.63-73, eng) 39-455
- Conductive backfill for improving electrical grounding in frozen soils. Sellmann, P.V., et al. (1984, 19p., eng) 39-561
- Pulse transmission through frozen silt. Arcone, S.A., (1984, 9p., eng) 39-803
- Frozen ground engineering. Phukan, A., (1985, 336p., eng) 39-1121
- Deuterium diffusion in a soil-water-ice mixture. Oliphant, J.L., et al. (1984, 11p., eng) 39-1139
- Salient characteristics of soil-forming processes in Xizang (Tibet). Gao, Y., et al. (1983, p.11-17, eng) 39-1629
- Infiltration of a frozen Palouse silt loam soil under simulated rainfall. Lee, H.W., (1983, 125p., eng) 39-2058
- Snowmelt infiltration in frozen Prairie soils. Granger, R.J., et al. (1984, p.669-677, eng) 39-2087
- New technique for determining the static fatigue limit of frozen ground. Vrachey, V.V., et al. (1984, p.306-310, eng) 39-2178
- Effective deepwater drilling: production structure for the Beaufort Sea. Padron, D.V., et al. (1985, p.90-97, eng) 39-2400
- Technique for producing ice from NaCl brine for studying fundamental deformation behavior. Godavarti, P.S., et al. (1985, p.214-237, eng) 39-2418
- Investigation of thermally actuated water migration in frozen soils. Williams, P.J., et al. (1980, 59p., + append., eng) 39-2685
- Models of soil freezing. Smith, M.W., (1985, p.98-120, eng) 39-2696

Frozen ground physics (cont.)

Temperature-induced water migration in saturated frozen soils. Perfect, E., 1980, 81p. + appendix, eng. 39-2703

Research challenges in frozen ground pile design. Bro, A., 1985, 1196-1205, eng. 39-3252

Frozen ground settling

Comparative analysis of the USSR construction codes and the US Army technical manual for design of foundations on permafrost. Fish, A.M., 1982, 20p., eng. 39-1267

Centrifuge modelling of underwater permafrost and sea ice. Palmer, A.C., et al., 1985, p.65-69, eng. 39-2397

Frozen ground strength

Proceedings, Vol. 2. Engineering mechanics in civil engineering. 1984, p.735-1547, eng. 39-108

Roughness criterion for steel piles in frozen sand. Alwahhab, M.R.M., et al., 1984, p.1288-1291, eng. 39-112

Compressive strength of frozen silt. Zhu, Y., et al., 1984, p.3-15, eng. 39-327

Impact resistance of soils of varying moisture and temperature. Zebarth, B.J., et al., 1984, p.449-455, eng. 39-492

Creep and strength testing of frozen saline fine-grained soils. Nixon, J.F., et al., 1984, p.518-529, eng. 39-493

Seasonal soil conditions and the reliability of the M15 land mine. Richmond, P.W., et al., 1984, 35p., eng. 39-562

Operation and maintenance of open-pit excavators under conditions of the North. Makhno, D.E., 1984, 133p., rus. 39-645

Sustained strength of peat at subzero temperatures. Lishtvan, I.I., et al., 1984, p.13-16, rus. 39-801

Classification of frozen ground according to resistance to excavation. Beliaikov, I.U., et al., 1984, p.89-92, rus. 39-895

Changes in strength of silt due to freeze-thaw. Alkire, B.D., et al., 1984, p.48-53, eng. 39-1144

Effect of loading on the unfrozen water content of silt. Oliphant, J.L., et al., 1983, 17p., eng. 39-1370

Resistance of frozen soils to disintegration under high-pressure hydraulic jets. Petrosian, L.R., et al., 1984, p.127-131, eng. 39-1652

Analog methods for determining long-term deformability of permafrost materials. Roman, L.T., 1984, p.290-294, eng. 39-2175

New technique for determining the static fatigue limit of frozen ground. Vrachey, V.V., et al., 1984, p.306-310, eng. 39-2178

Electrical thawing of frozen soils. Jumikis, A.R., 1984, p.333-337, eng. 39-2181

Strength and deformation behavior of frozen saline sand and gravel. Mahar, L.J., et al., 1985, p.557-565, eng. 39-3204

Shear strength in the zone of freezing in saline soils. Chamberlain, E.J., 1985, p.566-574, eng. 39-3205

Properties of frozen marine soils. Stuckert, B.J.A., et al., 1985, p.575-583, eng. 39-3206

Endochronic constitutive modeling of frozen soil. Gopal, K.R., et al., 1985, p.584-592, eng. 39-3207

Use of the cone penetration test for the design of piles in permafrost. Ladanyi, B., 1985, p.183-187, eng. 39-3287

Shear strength characteristics of frozen coarse granular debris. Nickling, W.G., et al., 1984, p.348-357, eng. 39-3786

Frozen ground temperature

Strength of pile foundations built on thawing permafrost. Salnikov, P.I., et al., 1984, p.42-48, rus. 39-416

Permafrost structure in the Chara basin. Sannikov, S.A., et al., 1984, p.55-65, rus. 39-840

Predicting thermal state of the ground during economic development of northern regions. Cherniadin, V.P., et al., 1984, 137p., rus. 39-869

Temperature measurements in permafrost. Osterkamp, T.E., 1984, 87p., eng. 39-1721

Temperature of concrete wall placed on frozen soil. Tobie, N., 1984, p.181-188, jpn. 39-2488

Temperature-induced water migration in saturated frozen soils. Perfect, E., 1980, 81p. + appendix, eng. 39-2703

Measurements of rock temperature during underground construction. Gur'ianov, L.V., et al., 1984, p.71-83, rus. 39-3302

Frozen ground thermodynamics

Thermal properties of soils. Farouki, O.T., 1981, 136p., eng. 39-1258

Some reflections on fundamental research in the freezing of soils. Aguirre-Puente, J., 1984, p.63-65, eng. 39-3050

Latent heat of frozen saline coarse-grained soil. Vinson, T.S., et al., 1985, p.607-623, eng. 39-3524

Frozen lakes

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Frozen liquids

Hydrogen evolution in liquid and frozen aqueous electrolyte. Frese, U., et al., 1985, p.1059-1062, eng. 39-3924

Frozen rivers

See: Icebound rivers

Frozen rock strength

Beryllium in sulfates of the cryolithic zone south of Verkhoysansk. Kokin, A.V., 1982, p.200-201, eng. 39-155

Drilling equipment designed for permafrost. Shukshin, V.A., 1984, p.30-31, rus. 39-677

Crushing of rocks. Cherskil, N.V., ed., 1983, 138p., rus. 39-1155

Drilling techniques and equipment used in permafrost areas. Fazylov, R.G., et al., 1983, p.79-83, rus. 39-1156

Studying frozen rocks in ultra-high-frequency electromagnetic fields. Nekrasov, L.B., et al., 1983, p.96-105, rus. 39-1158

Studying changes in frozen rocks in ultra-high-frequency fields. Nekrasov, L.B., et al., 1983, p.105-118, rus. 39-1159

Drilling methods and bits for Yakutia. Grigor'ev, A.N., et al., 1983, p.118-129, rus. 39-1160

Improving the efficiency of mining in the north. Izakson, V.I.U., ed., 1983, 85p., rus. 39-1885

Combined method of placer mining in permafrost. Chugunov, I.U.D., 1983, p.40-43, rus. 39-1891

Frozen rock temperature

Beryllium in sulfates of the cryolithic zone south of Verkhoysansk. Kokin, A.V., 1982, p.200-201, eng. 39-155

Thermal regime of rocks at watersheds in the Vilyuy area. Klimovskii, I.V., et al., 1984, p.83-90, rus. 39-844

Permafrost temperature in swampy landscapes of western Yakutia. Konstantinov, P.I.A., 1984, p.91-95, rus. 39-845

Formation of secondary halos of ore minerals in permafrost. Pitul'ko, V.M., 1985, p.21-40, rus. 39-3354

Adsorption modification method of increasing ice formation temperature. Nechaev, E.A., et al., 1985, p.99-107, rus. 39-3360

Relation of surface-electrical properties to ion mobility in permafrost. Romanov, V.P., 1985, p.107-115, rus. 39-3361

Chemical weathering of pyrite in permafrost. Ivanov, A.V., et al., 1985, p.115-123, rus. 39-3362

Heat and mass transfer in contact melting (applied to thermal drilling). Chistiakov, V.K., et al., 1984, 176p., rus. 39-3377

Frozen rocks

Mathematical modeling of freezing and thawing of rocks. Bigeeva, R.B., 1984, p.150-155, rus. 39-853

Frost weathering and the saturation of coastal rocks. Trenhaile, A.S., et al., 1984, p.321-331, eng. 39-1017

Deformation of freezing, thawing, and frozen rocks. Lebedenko, I.U.P., et al., 1984, p.248-252, eng. 39-2166

Resistivity logging of frozen rocks. Snegirev, A.M., 1984, p.295-299, eng. 39-2176

Frozen soil

See: Frozen ground

Fuel additives

Chemical ice prevention on aircraft carburetors. Newman, R.L., 1982, p.305-309, eng. 39-1998

Fuels

Operation and maintenance of open-pit excavators under conditions of the North. Makhno, D.E., 1984, 133p., rus. 39-645

Treatment of fuel peat by the addition of lime with a freeze-thaw cycle. Sharp, J.J., 1983, p.749-750, eng. 39-1122

Nuclear power plants in the Far North. Shadrin, A.P., 1983, 122p., rus. 39-1176

Mawson bulk fuel system. 1982, var. p., eng. 39-2232

Direct conversion of peat to liquid fuel. Alaska's resource and opportunity. Molton, P.M., et al., 1984, p.14-19, eng. 39-2761

Fungi

Micromycetes in soils of an Arctic tundra ecosystem. Bab'eva, E.N., et al., 1983, p.71-74, rus. 39-221

Basic problems in studying fungi in the Far North. Abramov, I.I., et al., 1973, p.331-332, rus. 39-451

Microflora of litter in northern forests. Makarova, A.P., et al., 1984, p.94-97, rus. 39-796

Bioconversion of peat: utilization of peat extracts as a fermentation substrate. Martin, A.M., 1983, p.370-377, eng. 39-1524

Synecological analysis of yeasts from Taymyr tundras. Chernov, I.U., 1985, p.54-60, rus. 39-2337

Adaptability of some types of bacteria and microscopic fungi to low temperatures. Alton, L.V., 1984, p.13-14, rus. 39-2640

Taxonomic composition and main trends in the evolution of Arctic plants. Khokhriakov, A.P., 1984, p.188-192, rus. 39-2663

Gamma irradiation

Domestic waste treatment in the Canadian Arctic. 1981, 115p., eng. 39-1229

Some experience of the gamma-ray snow survey method after ten years of operational use. Andersen, T., et al., 1984, p.21-23, eng. 39-1284

Gas burners

Thermomechanical excavators for permafrost areas. Solomonov, S.A., et al., 1982, p.79-88, rus. 39-2517

Gas cutting

Thermomechanical excavators for permafrost areas. Solomonov, S.A., et al., 1982, p.79-88, rus. 39-2517

Gas inclusions

Age difference between polar ice and trapped air bubbles. Schwander, J., et al., 1984, p.45-47, eng. 39-680

C-13/C-12 ratios in CO₂ extracted from antarctic ice. Friedli, H., et al., 1984, p.1145-1148, eng. 39-1422

New dry extraction system for gases in ice. Moor, E., et al., 1984, p.358-361, eng. 39-3787

Gas liquefaction

See: Liquefied gases

Gas pipelines

Aerial surveys of gas pipelines. Marakhtanov, V.P., et al., 1984, p.35-37, rus. 39-123

Heat transfer between pipelines and permafrost. Gokhman, M.R., 1984, p.243-247, eng. 39-152

Thermophysical properties of natural gas hydrates. Grolsman, A.G., et al., 1984, p.26-30, rus. 39-324

Mathematical model of gas hydrate formation. Biliushov, V.M., 1984, p.46-52, eng. 39-351

Year-round construction in eastern Siberia. Vel'chev, S.P., et al., 1984, p.6-8, rus. 39-750

Pipeline construction in cold, swampy regions. Tikhonov, A.I., et al., 1984, 81p., rus. 39-938

Designing buildings and structures for northern gas fields. Golovkin, V.N., 1984, p.9-10, rus. 39-1029

Modern equipment and technology at the construction sites of gas-pumping objects in western Siberia. Zinov'ev, L.A., et al., 1984, p.10-12, rus. 39-1030

Refrigeration pipelines for controlling bearing strength of gas-main foundations. Dvornik, A.D., et al., 1984, p.44-46, rus. 39-2102

Mobile-crew flow-type method of building the transcontinental pipeline Urengoy-Pomary-Uzhgorod. Sudobin, G.N., et al., 1985, p.12-13, rus. 39-2223

Structures for gas transportation to northern mines. Zinevich, A.M., et al., 1985, p.14-15, rus. 39-2224

Computer programs for controlling quality of construction. Palei, L.A., et al., 1985, p.15-17, rus. 39-2225

Cold country gas utility. Geske, L., 1984, p.28-33, eng. 39-2482

Gas hydrates, prevention of their formation and their utilization. Makogon, I.U.F., 1985, 232p., rus. 39-2878

Pipelines and frost heave. 1984, 75p., eng. 39-3038

The industrial problem. Raulin, P., 1984, p.67, eng. 39-3051

Review of pipeline construction in western Siberia. Kuramin, V.P., et al., 1985, 50p., rus. 39-3101

Experience with a chilled gas pipeline. Kettle, R.J., 1984, p.43-48, eng. 39-3413

Special means of transportation for construction materials and objects. Lobanov, V.N., 1985, p.26-27, rus. 39-3993

Developing construction methods for industrial pipelines. Vasil'ev, N.P., 1985, p.37-38, rus. 39-3995

Gas production

Oil-gas field development under northern conditions. Kuznetsova, O.L., 1984, p.11-15, rus. 39-3307

Gas wells

Drilling and casing-off wells in permafrost regions. Bibliography. Panina, T.I., 1983, 45p., rus. 39-1441

Drilling and operation of gas wells in the presence of natural gas hydrates. Grisenko, A.I., et al., 1984, p.167-172, eng. 39-2150

Possible applications of foam cements in protecting the environment in connection with well drilling. Bakshutov, V., 1984, p.208-210, eng. 39-2158

Gas hydrates, prevention of their formation and their utilization. Makogon, I.U.F., 1985, 232p., rus. 39-2878

Gases

Cryocrystals. Prikhod'ko, A.F., et al., 1983, 526p., rus. 39-1317

Petrogenic gas forms a pockmark field in the Barents Sea. Solheim, A., et al., 1985, p.11-19, eng. 39-3885

See also: Carbon dioxide; Liquefied gases; Natural gas

Geobotanical interpretation

Peculiarities of geochemical exploration in northern Siberia. Polikarpochkin, V.V., 1984, p.11-18, rus. 39-1191

Environmental mapping of the Arctic National Wildlife Refuge, Alaska. Walker, D.A., et al., 1982, 59p. + 2 maps, eng. 39-1274

Studying paludal areas from aerial photographs. Kirushkin, V.N., et al., 1980, p.38-39, rus. 39-1334

All-Union Conference on aerial and space methods of studying forests, Krasnoyarsk, July 7-9, 1984. Summaries of reports 1984, 186p., rus. 39-1480

Geobotanical mapping of taiga. Vasil'chuk, A.I., 1984, p.56-58, rus. 39-1490

Compiling geobotanical map of northern taiga. Paanskaia-Gvozdeva, I.I., 1984, p.59-60, rus. 39-1491

Forest cover differentiation on satellite photographs. Gribanov, V.I.A., et al., 1984, p.64-67, rus. 39-1492

Zones of runoff formation indicated by vegetation on spaceborne photographs. Sumarokova, V.V., 1984, p.3-11, rus. 39-1688

- Morpholithosystems and landscape structure (exemplified by the Omolon River basin). Egorova, G.N., et al., (1983, 164p., rus) 39-3092
- Geochemistry**
- Natural salt extracts and their value for prospecting in permafrost areas. Kokin, A.V., (1984, p.37-44, rus) 39-317
- Geochemistry of iron in southern taiga soils. Sizov, A.P., (1984, p.81-84, rus) 39-445
- Geochemical surveys in taiga. Lomonosov, I.S., et al., (1983, p.50-61, rus) 39-467
- Isotope geochemistry on Vavilov Glacier. Vafkmae, R.A., et al., (1984, p.73-79, eng) 39-726
- Chemical analyses of soils and other surficial materials, Alaska. Gough, L.P., et al., (1984, 77p., eng) 39-1137
- Methods of geochemical exploration used in northern Siberia. Polikarpochkin, V.V., ed., (1984, 177p., rus) 39-1190
- Peculiarities of geochemical exploration in northern Siberia. Polikarpochkin, V.V., (1984, p.11-18, rus) 39-1191
- Landscape geochemistry of northern Siberia. Perelman, A.I., et al., (1984, p.18-26, rus) 39-1192
- Peculiarities of formation of cryogenic halos and dispersion flows. Shvartsev, S.L., (1984, p.35-42, rus) 39-1193
- Peculiarities of secondary lithochronal halos in permafrost areas. Kviatkovskii, E.M., et al., (1984, p.45-56, rus) 39-1195
- Geochemical exploration of bald-peak landscapes. Taisaev, T.T., (1984, p.61-67, rus) 39-1197
- Using mercury vapor lamps in mining exploration in permafrost. Sveshnikov, G.B., et al., (1984, p.150-153, rus) 39-1202
- Geochemical monitoring of environmental pollution. Kachur, A.N., et al., (1984, p.93-94, rus) 39-1430
- Migration of elements in water in taiga-permafrost landscapes. Makarov, V.N., (1984, p.253-258, eng) 39-2167
- Geochemistry of soils and environmental protection. Saprykin, F.I.A., (1984, 231p., rus) 39-2485
- Chemical weathering on the Vantage Point nunatak. Dixon, J.C., et al., (1984, p.111-131, eng) 39-2676
- Permeability of permafrost with respect to migrating hydrocarbon gases. Starobinets, I.S., et al., (1985, p.24-27, rus) 39-3256
- Formation of secondary halos of ore minerals in permafrost. Pitul'ko, V.M., (1985, p.21-40, rus) 39-3354
- Greenland ice core: geophysics, geochemistry, and the environment. Langway, C.C., Jr., ed., (1985, 118p., eng) 39-3559
- Geocryology**
- Cryolithological peculiarities of bedrocks in the northeastern USSR. Kolesnikov, S.F., (1984, p.92-95, rus) 39-42
- Engineering and geocryological investigations. Derugin, A.G., ed., (1994, 76p., rus) 39-407
- Open questions in paleogeocryology. Vasil'chuk, I.U.K., et al., (1984, p.64-78, rus) 39-440
- Hydrogeological studies of eastern USSR and some Asiatic countries. Pinneker, E.V., ed., (1983, 174p., rus) 39-466
- Hydrogeological mapping of cryogenic processes. Kononova, R.S., et al., (1983, p.130-136, rus) 39-470
- Cryogenic relief of western Siberia. Shpolianskaia, N.A., (1984, p.17-23, rus) 39-580
- Glossary of Russian ice terms. (1984, 78p., rus) 39-772
- Glaciological and geocryological studies on King George Island. Vtiurin, B.I., et al., (1984, p.33-37, rus) 39-976
- Using parabolas to describe the cross-sections of glaciated valleys. Wheeler, D.A., (1984, p.391-394, eng) 39-1018
- Seasonal frost mounds, North Fork Pass, northern Yukon Territory. Pollard, W.H., (1983, p.11-23, eng) 39-1020
- Dynamics of Late Quaternary permafrost in Siberia. Baulin, V.V., et al., (1984, p.69-77, eng) 39-1056
- Late Pleistocene permafrost in European USSR. Velichko, A.A., et al., (1984, p.79-86, eng) 39-1057
- Crushing of rocks. Cherskii, N.V., ed., (1983, 138p., rus) 39-1155
- Characteristics of permafrost in petroleum areas of the Far North. Vasil'ev, R.V., et al., (1983, p.88-96, rus) 39-1157
- Combined geographic investigation methods of Siberia. Plastinin, L.A., et al., (1980, p.14-16, rus) 39-1329
- Soils and geological conditions of the Nечernozem'e. Sergeev, E.M., ed., (1984, 608p., rus) 39-1424
- Basic trends and problems of engineering geocryology in hydraulic construction. Tsytovich, N.A., et al., (1984, p.25-29, rus) 39-1507
- Engineering and geological investigations for power plant construction. Kagan, A.A., et al., (1984, p.47-51, rus) 39-1596
- Bibliography of glaciology and cryopedology in China. 1820-1982. (1984, 208p., chi) 39-1616
- Cryogenic landforms of King George Island, South Shetland Islands. Vtiurin, B.I., et al., (1983, p.77-82, rus) 39-2039
- Development and environmental protection in the permafrost zone of the USSR: a review. Grave, N.A., (1984, p.116-124, eng) 39-2140
- Major trends in the development of Soviet permafrost research. Mel'nikov, P.I., (1984, p.163-166, eng) 39-2149
- Engineering geocryology in the USSR: a review. Vialov, S.S., (1984, p.177-185, eng) 39-2152
- Cryogenic processes associated with developments in the permafrost zone. Grave, N.A., (1984, p.188-193, eng) 39-2154
- Deformation of freezing, thawing, and frozen rocks. Lebedenko, I.U.P., et al., (1984, p.248-252, eng) 39-2166
- Cryopediments in the Bighorn Canyon area, southcentral Montana. Nelson, G.E., (1984, p.327-332, eng) 39-2180
- Soil development in NW Canada and ecological relationships. Pettapiece, W.W., (1984, p.3-17, eng) 39-2263
- Halotolerant *Planococcus* from antarctic dry valley soil. Miller, K.J., et al., (1984, p.205-209, eng) 39-2326
- Soil development of Quaternary deposits of various ages in the central Yukon Territory. Tarnocai, C., et al., (1985, p.229-238, eng) 39-2330
- Manifestations of exogenic geocryological processes. Trofimov, V.T., ed., (1985, 152p., rus) 39-2373
- Periglacial geomorphology. Potter, N., Jr., (1984, p.226-232, eng) 39-2570
- Field and theory: lectures in geocryology. Church, M., ed., (1985, 213p., eng) 39-2690
- On the scientific method of J. Ross Mackay. Mathews, W.H., (1985, p.1-6, eng) 39-2691
- Periglacial processes in southern East Siberia. Laperdin, V.K., (1985, p.54-61, rus) 39-3013
- Use of satellite information in geocryological studies. Shata, M.M., et al., (1985, p.174-178, rus) 39-3018
- Surveys, regionalization and mapping of permafrost areas. Bulatov, V.I., (1984, p.77-97, rus) 39-3082
- Preservation and stability of mountain landscapes in inner Asia. Mikhailov, I.S., et al., (1984, p.17-23, rus) 39-3808
- Mobile complex of equipment for small construction jobs. (1984, p.30-31, rus) 39-3878
- Using tritium analysis in geocryological studies. Chizhov, A.B., et al., (1985, p.106-114, rus) 39-3914
- Periglacial processes in Argentina. (1984, 249p., spa) 39-3938
- Symbols for a geocryogenic inventory. Ahumada, A.L., (1984, p.12-18, spa) 39-3940
- Age of cryogenic structures of Puerto Madryn, Chubut, Argentina. Corti, A.E., et al., (1984, p.66-72, spa) 39-3943
- Climatic zonation in the Andes and permafrost distribution. Minetti, J.L., et al., (1984, p.129-143, spa) 39-3947
- Geocryogenic processes in San Juan Province, Argentina. Simon, W., (1984, p.197-203, spa) 39-3950
- Geocryological conditions of the Altai-Sayan mountain region. Shata, M.M., (1978, 103p., rus) 39-3982
- Geomorphology of the North Siberian plain (the northern and central parts). Zemtsov, A.A., (1976, 342p., rus) 39-3985
- Geodetic surveys**
- Search for meteorites in the Allan Hills/Elephant Moraine area, 1982-1983. Cassidy, W.A., et al., (1983, p.81-82, eng) 39-1
- Geodetic-glaciological studies in the East Antarctic 1962-1978. Meier, S., et al., (1984, p.31-35, eng) 39-858
- Geodetic deformation measurements on the Ekström, Filchner, and Ronne Ice Shelves. Köhler, M., et al., (1984, p.154-161, ger) 39-1024
- Geodetic surveys on the Filchner and Ekström Ice Shelves. Karsten, A., et al., (1984, p.57-63, ger) 39-1602
- Geodetic glaciology on Filchner Ice Shelf since 1979/80. Köhler, M., (1985, p.18-25, ger) 39-2801
- Geography**
- Geographical and geological domains of the Karakoram. Tahirkehi, R.A.K., et al., (1984, p.57-70, eng) 39-2315
- See also: Biogeography
- Geologic processes**
- Ancient rock sea in Shennongjia Mountain. Guo, F., (1983, p.67-70, chi) 39-269
- Penetrometer tests for geologic processes, Norton Sound, Alaska. Hampton, M.A., et al., (1982, p.223-230, eng) 39-1044
- Permafrost formation and distribution in Quaternary. Baulin, V.V., et al., (1984, p.122-129, rus) 39-1439
- Modeling cryogenic physical-geological processes. Grechishchev, S.E., et al., (1984, 230p., rus) 39-1907
- Manifestations of exogenic geocryological processes. Trofimov, V.T., ed., (1985, 152p., rus) 39-2373
- Geologic structures**
- United States Geological Survey in Alaska: accomplishments during 1981. Conrad, W.L., ed., (1984, 162p., eng) 39-21
- Permafrost and hydrogeological conditions of eastern Siberia. Shepelev, V.V., et al., (1984, 191p., rus) 39-1450
- Geological investigations in New Schwabenland. Spaeth, G., et al., (1984, p.174-185, ger) 39-1615
- Landing strip site survey on Greenwich Island. Alarcon, B., et al., (1983, p.156-194, eng) 39-2611
- Aeromagnetic measurements of the Filchner Ice Shelf and near Georg von Neumayer Station as part of the 1983/84 Filchner Ice Shelf Project. Kahnt, W., et al., (1985, p.60-67, ger) 39-2807
- Geological maps**
- Geomorphology of the Ablation Point massif, Alexander Island. Clapperton, C.M., et al., (1983, p.125-135, eng) 39-1106
- Geological surveys**
- Surveys of earthquake areas in permafrost zones. Pavlov, O.V., et al., (1982, p.63-67, rus) 39-33
- Cryogenic processes and phenomena in Siberia. Nekrasov, I.A., ed., (1984, 164p., rus) 39-832
- Subsea cryolithozone. Zhigarev, L.A., (1984, p.3-13, rus) 39-833
- Preliminary study on Quaternary climate in China. Guo, X., (1984, p.49-59, chi) 39-933
- Combined use of geological and geophysical data, bathymetry, and satellite photographs in morphological structural analyses of the western Arctic shelf. Zarkhidze, V.S., et al., (1984, p.84-93, rus) 39-1110
- Peculiarities of geochemical exploration in northern Siberia. Polikarpochkin, V.V., (1984, p.11-18, rus) 39-1191
- Landscape geochemistry of northern Siberia. Perelman, A.I., et al., (1984, p.18-26, rus) 39-1192
- Peculiarities of formation of cryogenic halos and dispersion flows. Shvartsev, S.L., (1984, p.35-42, rus) 39-1193
- Geochemical exploration in permafrost areas. Pitul'ko, V.M., (1984, p.42-45, rus) 39-1194
- Using aerial and satellite information in geological mapping. Deleur, M.S., et al., (1980, p.39-41, rus) 39-1335
- Engineering and geological investigations for power plant construction. Kagan, A.A., et al., (1984, p.47-51, rus) 39-1596
- Geological evidence for 60 meter deep pressure-ridge keels in the Arctic Ocean. Reimnitz, E., et al., (1984, p.189-206, eng) 39-1803
- Geocryological conditions of the Baykal-Stanovoy Range part of the BAM zone. An, V.V., et al., (1984, 151p., rus) 39-1947
- Landscapes of western Siberia: mapping, evaluation, forecasts of development. Bulatov, V.I., ed., (1984, 115p., rus) 39-3078
- Surveys, regionalization and mapping of permafrost areas. Bulatov, V.I., (1984, p.77-97, rus) 39-3082
- Geology**
- Quaternary period in Manchuria. Shikama, T., (1967, p.298-336, eng) 39-141
- Some recent technological advances applied to problems in earth sciences. Miller, K.J., (1984, p.12-38, eng) 39-2297
- Geographical and geological domains of the Karakoram. Tahirkehi, R.A.K., et al., (1984, p.57-70, eng) 39-2315
- Guide to Late Pleistocene and Holocene deposits of Turnagain Arm. Bartuch-Winkler, S., et al., (1984, 70p., + 2 maps, eng) 39-4027
- Geologic guide to the Fairbanks-Livengood area, east-central Alaska. Weber, F.R., et al., (1985, 44p., eng) 39-4828
- See also: Engineering geology; Glacial geology; Hydrogeology; Marine geology
- Geomagnetism**
- Geomagnetic measurements on moving ice shelf at Halley. Simmons, D.A., et al., (1984, p.407-417, eng) 39-3378
- Geomorphology**
- Drumlin formation related to inverted melt-water erosional marks. Shaw, J., (1983, p.461-479, eng) 39-286
- Glacial geomorphology, marginal zone of Sydbræen Glacier, Norway. Johansson, P., (1984, p.107-112, fin) 39-235
- Annual moraine ridges at Skálafellajökull, south-east Iceland. Sharp, M., (1984, p.82-93, eng) 39-246
- Morphology, stratigraphy, and genesis of small drumlins in front of the glacier Myrdalsjökull, south Iceland. Krüger, J., et al., (1984, p.94-105, eng) 39-247
- Remote sensing as an aid in periglacial research. Svensson, H., (1982, p.109-125, swe) 39-280
- Ice-cored lateral moraines in Tarfala Valley, Swedish Lapland. Ackert, R.P., Jr., (1984, p.79-88, eng) 39-457
- Reykjavik Symposium and Central Highlands Field Excursion, 1982. (1983, 107p., eng) 39-458
- Cryogenic relief in the Bayan-Nuurn-khotnot basin. Rotnicki, K., et al., (1978, p.141-148, eng) 39-534
- Alaskan varve thickness and climatic changes. Perkins, J.A., et al., (1983, p.308-321, eng) 39-617
- Geomorphological research on Cevedale Mt, Italy. (1983, p.56-60, fre) 39-620
- Morphological mapping in high latitude mountains. Peulvast, J.P., (1983, p.67-81, fre) 39-723
- Geomorphology of the NE coastal plain of Prince Charles I, Svalbard. Brossard, T., et al., (1983, p.83-97, fre) 39-724

Geomorphology (cont.)

- Subglacial volcanism in north-central British Columbia and Iceland. Allen, C.C., et al. (1982, p.699-715, eng) 39-766
- Supraglacial stream dynamics on the Juneau icefield. Marston, R.A., (1983, p.597-608, eng) 39-867
- Glacial stratigraphy east of the Main Stationary Line of Denmark. Houmark-Nielsen, M., (1981, p.61-76, dan) 39-973
- Till and recent dead ice landscape, Höfðabrekkjukúll, Iceland. Krüger, J., (1982, p.45-56, dan) 39-974
- Quaternary alpine glaciation and marine erosion in Iceland. Sigbjarnarson, G., (1982, p.87-98, eng) 39-987
- Proceedings of the Fourth Symposium on Antarctic Geosciences, 1983. Nagata, T., ed. (1984, 240p., eng) 39-1085
- Seismic profiles of Amundsen and Lützow-Holm Bays, 1982. Moriawaki, K., (1984, p.61-65, eng) 39-1089
- Geological and geophysical surveys in the Ross Sea. Sato, S., et al. (1984, p.66-92, eng) 39-1090
- Geomorphology of the Ablation Point massif, Alexander Island. Clapperton, C.M., et al. (1983, p.125-135, eng) 39-1106
- Japanese geomorphological research in the Lützow-Holm Bay region. Yoshida, Y., (1984, p.2-8, jpn) 39-2273
- International Karakoram Project. Miller, K.J., ed. (1984, 2 vols., eng) 39-2296
- Recent variations of some glaciers in the Karakoram Mountains. Zhang, X., (1984, p.39-50, eng) 39-2298
- Sedimentological analysis of glacial and proglacial debris: a framework for the study of Karakoram glaciers. Derbyshire, E., (1984, p.347-364, eng) 39-2311
- Geomorphology of high magnitude-low frequency events in the Karakoram Mountains. Brunsden, D., et al. (1984, p.383-388, eng) 39-2314
- Geomorphology of the Hunza Valley, Karakoram Mountains, Pakistan. Goudie, A.S., et al. (1984, p.359-410, eng) 39-2319
- Quaternary glacial history of the Hunza Valley, Karakoram Mountains, Pakistan. Derbyshire, E., et al. (1984, p.456-495, eng) 39-2321
- Manifestations of exogenic geocryological processes. Trofimov, V.T., ed. (1985, 152p., rus) 39-2373
- Glacier inventory and annual runoff, SE Ellesmere Island. Kraus, P., (1983, 101p., eng) 39-2467
- Geomorphology of glaciers and karst of Dedegöl Dag, Turkey. Delannoy, J.J., et al. (1983, p.45-53, fre) 39-2469
- Glacier ice and morphology of a fjord, British Columbia. Roberts, M.C., et al. (1984, p.381-393, eng) 39-2566
- Periglacial geomorphology. Potter, N., Jr., (1984, p.226-232, eng) 39-2570
- Distribution of recently active ice and soil wedges in the U.S.S.R. Romanovskii, N.N., (1985, p.154-165, eng) 39-2699
- Temperature fluctuations in alpine bedrocks. Francou, B., (1983, p.27-38, fre) 39-2820
- Ice-made pans and pools in the salt marsh of Isle-Verte, St.-Lawrence Estuary, Quebec. Gauthier, B., et al. (1983, p.49-66, fre) 39-2822
- Creep of mountain permafrost: alpine rock glaciers. Haeblerli, W., (1985, 142p. + map, eng) 39-2912
- General situation of lichenometry research abroad. Chen, J., et al. (1984, p.85-93, chi) 39-3324
- Sedimentation since Last Ice Age, Tian Shan. Feng, Z., et al. (1984, p.39-49, chi) 39-3516
- Pleistocene glaciation in East China. Cui, Z., et al. (1984, p.77-86, chi) 39-3520
- Jökulhlaups and ice-dammed lakes, Jotunheimen, Norway. Shakesby, R.A., (1985, p.1-16, eng) 39-3586
- Terrain classification in Yukon Territory, Canada. Franklin, S.E., et al. (1985, p.603-611, eng) 39-3705
- Relict ice scour signatures on mainland Canada. Mollard, J.D., (1985, p.11-31, eng) 39-3754
- Avalanche tarns. Fitzharris, B.B., et al. (1984, p.308-312, eng) 39-3780
- Bibliography of northern Mackenzie area and Yukon, Canada. Goodwin, C.R., ed. (1984, 310p., eng) 39-3897
- Publications of the C.N.R.S. Center for Geomorphology, Caen. Lantidrou, J.P., (1985, 3p. + 7p. of bibliography, fre) 39-3900
- Quaternary environments of eastern Canadian Arctic and W. Greenland. Andrews, J.T., ed. (1985, 774p., eng) 39-3931
- Weathering and soil development on Baffin Island. Locke, W.W., III, (1985, p.331-353, eng) 39-3936
- Periglacial processes in Argentina (1984, 249p., spa) 39-3938
- Symbols for a geocryogenic inventory. Ahumada, A.L., (1984, p.12-18, spa) 39-3940
- Mendoza's mountain soils: geocryogenic and edaphic aspects. Regaraz, M.C., (1984, p.162-173, spa) 39-3948
- Geophysical surveys**
- Combined use of geological and geophysical data, bathymetry, and satellite photographs in morphological structural analyses of the western Arctic shelf. Zarkidze, V.S., et al. (1984, p.84-93, rus) 39-1110
- Geophysical Techniques for subsea permafrost investigations. Hunter, J.A.M., (1984, p.88-89, eng) 39-2133
- Greenland ice core: geophysics, geochemistry, and the environment. Langway, C.C., Jr., ed. (1985, 118p., eng) 39-3559
- Geophysics of subglacial geology at Dye 3, Greenland. Jezek, K.C., et al. (1985, p.105-110, eng) 39-3575
- Volcanic deformation studies - Mt. Erebus. Scott, B., et al. (1985, p.20-23, eng) 39-3865
- Ross Ice Shelf geophysical and glaciological survey (RIGGS). Bentley, C.R., (1984, p.1-20, eng) 39-4029
- Glaciological studies on the Ross Ice Shelf, 1973-1978. Thomas, R.H., et al. (1984, p.21-53, eng) 39-4030
- Geothermal thawing**
- Calorimeter for indicating geothermal and volcanic activity. Björnsson, H., (1982, p.13-18, eng) 39-985
- Chemistry of jökulhlaup water and geothermal system in Iceland. Steinthorsson, S., et al. (1982, p.73-86, eng) 39-986
- Snow melting using heat pipes. Tanaka, O., et al. (1982, p.11-23, eng) 39-2909
- Geothermometry**
- United States Geological Survey in Alaska: accomplishments during 1981. Conrad, W.L., ed. (1984, 162p., eng) 39-21
- Geothermy**
- Geothermal effects of 18 ka BP ice conditions in the Swiss plateau. Haeblerli, W., et al. (1984, p.56-60, eng) 39-173
- Hydrobiological regime of northern lakes. Pautova, V.N., et al. (1984, p.23-30, rus) 39-322
- Cryogeothermal problems in the study of the Arctic Ocean. Neizvestnov, I.A.V., et al. (1984, p.273-277, eng) 39-2171
- Thermogenic hydrocarbons in Bransfield Strait sediments. Whiticar, M.J., et al. (1985, p.87-90, eng) 39-3127
- German**
- German ice technology. Redder, J., ed. (1985, p.217-238, eng) 39-3037
- Elbe River
- Formation of ice jams in the Elbe River: a case study. Garbrecht, G., et al. (1983, p.1038-1049, eng) 39-276
- Munich
- Frozen precipitation and weather, München-Riem, West Germany. Billeli, M.A., (1984, 47p., eng) 39-1731
- Glacial deposits**
- Isotopic composition of ice and subglacial calcite in an alpine area. Lemmens, M., et al. (1983, p.151-159, eng) 39-102
- Rock glaciers. Gorbunov, A., (1984, p.112-113, rus) 39-117
- Aerial photographic interpretation of coarse-grained till. Viberg, L., (1984, p.15-16, eng) 39-146
- Early discoverers of XXXIII John Hardcastle on glacier motion and glacial loess. Smalley, I.J., (1983, p.480-484, eng) 39-207
- Lacustrine glacier retreat sequence from the Permian-Carboniferous Dwyka Formation, Republic of South Africa. Visser, J.N.J., (1983, p.515-520, eng) 39-214
- Characteristic features of glacial sediments. Easterbrook, D.J., (1982, p.1-9, eng) 39-230
- Glacial geomorphology, marginal zone of Sydbræen Glacier, Norway. Johansson, P., (1984, p.107-112, fin) 39-235
- Englacial deltaic sediments as evidence for basal freezing and marginal shearing, Lierbræen southern Norway. Harris, C., et al. (1984, p.30-34, eng) 39-239
- Annual moraine ridges at Skálafelljökull, south-east Iceland. Sharp, M., (1984, p.82-93, eng) 39-246
- Morphology, stratigraphy, and genesis of small drumlins in front of the glacier Myrdalsjökull, south Iceland. Krüger, J., et al. (1984, p.94-105, eng) 39-247
- Alaskan varve thickness and climatic changes. Perkins, J.A., et al. (1983, p.308-321, eng) 39-617
- Subaerial sediment flow of the Matanuska Glacier, Alaska. Lawson, D.E., (1982, p.279-300, eng) 39-765
- Glaciers of Bylot Island, a window on the past. Belanger, J.R., et al. (1983, p.10-13, fre) 39-781
- Till fabric and recent moraine landscape, south-east of Krüger, J., et al. (1984, p.19-29, dan) 39-972
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- Coastal sediments in glacial Lake Jökulsárlón, Iceland. Boulton, G.S., et al. (1982, p.37-47, eng) 39-982
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- Problems of physical geography. Selected works. Kalesnik, S.V., (1984, 288p., rus) 39-2228
- Sedimentological analysis of glacial and proglacial debris: a framework for the study of Karakoram glaciers. Derbyshire, E., (1984, p.347-364, eng) 39-2311
- Quaternary glacial history of the Hunza Valley, Karakoram Mountains, Pakistan. Derbyshire, E., et al. (1984, p.456-495, eng) 39-2321
- Glacial and paraglacial sediments of the Hunza Valley, North West Karakoram, Pakistan: a preliminary analysis. Li, J., et al. (1984, p.496-535, eng) 39-2322
- Stratified nature of deposits in streamlined glacial landforms on southern Victoria Island, District of Franklin. Sharpe, D.R., (1985, p.365-371, eng) 39-2331
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- Glacial lake in the Richardson and Rae River basins, Northwest Territories. Mercier, A.L., (1984, p.75-80, eng) 39-2709
- Floods from glacial lake Missoula, Washington. Atwater, B.F., (1984, p.464-467, eng) 39-2719
- Glaciation of South America. Glebova, L.N., et al. (1984, p.29-43, rus) 39-2766
- Early Holocene glaciation stage of Spitzbergen. Trouskil, L.S., et al. (1984, p.203-208, rus) 39-2792
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- Deposition on moraine embankments, Glacier de Taidjore Noue, Switzerland. Small, R.J., et al. (1984, p.275-281, eng) 39-3775
- Analyzing the spatial distribution of drumlins: a two-phase mosaic approach. Boots, B.N., et al. (1984, p.302-307, eng) 39-3779
- Grain-size characteristics of quaternary sediments, Baffin Island region. Andrews, J.T., (1985, p.124-153, eng) 39-3934
- Geomorphology of the North Siberian plain (the northern and central parts). Zemtsov, A.A., (1976, 342p., rus) 39-3985
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- Glaciers with stoss-ice form in lodgement tills: a discussion. Krüger, J., (1984, p.241-243, eng) 39-1682
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- Geomorphology of the Hunza Valley, Karakoram Mountains, Pakistan. Goudie, A.S., et al. (1984, p.359-410, eng) 39-2319
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- Role of glaciers in fjord formation. Glazovskii, A.F., (1984, p.115-119, rus) 39-2776
- Surges of the Murgazy Glacier. Desniov, I.V., (1984, p.145-146, rus) 39-2780
- Early Holocene glaciation stage of Spitzbergen. Trouskil, L.S., et al. (1984, p.203-208, rus) 39-2792
- Great Scandinavian ice sheet. Wang, J., et al. (1984, p.1-14, chi) 39-3512
- Quaternary environments of eastern Canadian Arctic and W. Greenland. Andrews, J.T., ed. (1985, 774p., eng) 39-3931
- Patterns of glacial erosion across the eastern Canadian Arctic. Andrews, J.T., et al. (1985, p.69-92, eng) 39-3933

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Glacial geology

- Ice sheet overriding of the Transantarctic Mountains. Denton, G.H., et al., 1983, p.93-95, eng. 39-3
- Glacial geology and soils in Beacon Valley. Potter, N., Jr., et al., 1983, p.100-103, eng. 39-4
- Ice mass fluctuations in northern Victoria Land. Mayewski, P.A., 1983, p.112, eng. 39-10
- Late Tertiary history of the antarctic ice sheet from Dry valleys evidence. Denton, G.H., et al., 1984, p.263-267, eng. 39-19
- United States Geological Survey in Alaska: accomplishments during 1981. Coonrad, W.L., ed., 1984, 162p., eng. 39-21
- Model of interactions between ice stream, ocean and solid ground in West Antarctica. Lingle, C.S., 1983, 165p., eng. 39-23
- Annual moraine ridges at Skálafellsjökull, south-east Iceland. Sharp, M., 1984, p.82-93, eng. 39-246
- Till fabric and recent morainal landscape of Iceland. Krüger, J., et al., 1981, p.19-28, dan. 39-972
- Glacial stratigraphy east of the Main Stationary Line of Denmark. Houmark-Nielsen, M., 1981, p.61-76, dan. 39-973
- Proceedings of the Fourth Symposium on Antarctic Geosciences, 1983. Nagata, T., ed., 1984, 240p., eng. 39-1083
- Geomorphology of the Ablation Point massif, Alexander Island. Clapperton, C.M., et al., 1983, p.125-135, eng. 39-1106
- Sediments of the Barents shelf and the glacial history. Solheim, A., et al., 1984, 26p., eng. 39-1225
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- First attempt at structural interpretation of Landsat images of west antarctic mountain regions. Bud'ko, V.M., et al., 1985, p.43-49, rus. 39-2892
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- Possible impact of shear glaciation on the thermodynamic regime of the antarctic Earth crust and its neotectonic evolution. Kadmina, I.N., et al., 1985, p.56-64, rus. 39-2894
- Assessing the global meltwater spike. Jones, G.A., et al., 1982, p.148-172, eng. 39-2905
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- Plio-Pleistocene glacial sequence corred at Ferrar Fjord. Barre, P.J., 1985, p.8-19, eng. 39-3864
- Devon Island ice core and the glacial record. Koerner, R.M., et al., 1985, p.309-327, eng. 39-3935
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- Results of tracer experiments with fluorescent dyes on Vernagtferner (Oetzal Alps, Austria) from 1974 to 1982. Behrens, H., et al., 1983, p.65-83, eng. 39-49
- Investigations of glacier hydrological systems using dye tracer techniques: observations at Pasterzengletscher, Austria. Burkishner, M., 1983, p.403-416, eng. 39-202
- Drumlin formation related to inverted melt-water erosional marks. Shaw, J., 1983, p.461-479, eng. 39-206
- Radio echo-sounding studies of englacial water movement in Variegated Glacier, Alaska. Jacobel, R., et al., 1984, p.22-29, eng. 39-238
- Calculating the glacial component in total river discharge. Samukashvili, R.D., 1984, p.128-132, rus. 39-303
- Calculating total glacier ablation. Kononov, V.G., 1984, p.92-98, rus. 39-639
- Hydrological data-model work in Greenland. Thomsen, T., et al., 1984, p.39-56, eng. 39-816
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- General hydrology (hydrology of dry land). Bogoslovskii, B.B., et al., 1984, 422p., rus. 39-1136
- Notes on ice in the hydrosphere. Reinwarth, O., 1982, p.259-265, ger. 39-1213
- Proceedings. Role of snow and ice in northern basin hydrology. 1984, 5 sections, eng. 39-1278
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- Characteristics of glacial flood—example of rivers in Xinjiang. Lai, Z., 1984, p.45-52, chi. 39-1539
- View on Quaternary glaciation in Lushan from the results of some modern glacial researches. Su, Z., 1984, p.83-88, chi. 39-1544
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- Subglacial water conduits. Hooke, R.L., 1984, p.180-187, eng. 39-1673
- Zones of runoff formation indicated by vegetation on spaceborne photographs. Sumarokova, V.V., 1984, p.3-11, rus. 39-1688
- Glacierkarst phenomena in Spitsbergen. Pulina, M., 1984, p.163-168, eng. 39-1733
- Glaciers, snow cover and avalanches in the mountains of Kazakhstan. Tokmagambetov, G.A., ed., 1983, 207p., rus. 39-1915
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- Floods caused by bursting of ice-dammed lakes. Butvilovskii, V.V., 1985, p.65-74, rus. 39-2038
- Hydrometeorological studies. Chistiava, S.P., ed., 1984, 152, rus. 39-2249
- Development of mudflow processes in foci of different types. Khonin, R.V., 1984, p.17-29, rus. 39-2281
- Some studies of the Batura glacier in the Karakoram Mountains. Shi, Y., et al., 1984, p.51-63, eng. 39-2299
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- Managing water resources for Alaska's development: proceedings. Aldrich, J.W., ed., 1983, var. p., eng. 39-2440
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- Impact of glaciers on long-term basin water yield. Bredthauer, S.R., et al., 1984, p.51-59, eng. 39-2447
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- See also: Subglacial drainage
- Glacial lakes**
- Life of the Earth. Global tectonics and dynamics of natural processes. Ushakov, S.A., ed., 1984, 152p., rus. 39-389
- Expected surge of the Medvezhit glacier in Pamirs. Dolgushin, L.S., 1984, p.66-69, eng. 39-391
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- Characteristics of diatoms from bottom sediments of the Terkhyn-Tsagan-Nur (People's Republic of Mongolia). Dorofeuk, N.I., 1984, p.1243-1249, rus. 39-1566

- Sudden discharge of glacier-dammed Flood Lake, B.C. Clarke, G.K.C., et al., 1984, p.502-504, eng. 39-1908
- Glaciers, snow cover and avalanches in the mountains of Kazakhstan. Tokmagambetov, G.A., ed., 1983, 207p., rus. 39-1915
- Causes of glacial mudflow formation. Plekhanov, P.A., 1983, p.127-131, rus. 39-1926
- Floods caused by bursting of ice-dammed lakes. Butvilovskii, V.V., 1985, p.65-74, rus. 39-2038
- Design of intercepting dams for glacial mudflows. Zhakiahev, M.A., 1984, p.96-103, rus. 39-2253
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- Development of mudflow processes in foci of different types. Khonin, R.V., 1984, p.17-29, rus. 39-2281
- Origin of glacial mudflows. Stavitskii, I.A.S., et al., 1984, p.77-83, rus. 39-2288
- Studying glacial lakes and mudflow formation. Shatravin, V.I., et al., 1984, p.83-92, rus. 39-2289
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- Preventing glacial lake bursting by controlled drainage. Mochalov, V.P., et al., 1984, p.108-117, rus. 39-2291
- Northeast extension of glacial Lake McConnell in the Dease River Basin, District of Mackenzie. St-Onge, D.A., et al., 1985, p.181-186, eng. 39-2328
- Reconnaissance study of proglacial Stewart Lakes, Baffin Island, District of Franklin. Gilbert, R., et al., 1985, p.505-510, eng. 39-2333
- Turbidity currents in a glacial lake. Weirich, F.H., 1984, p.384-387, eng. 39-2479
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- Glacial lakes of Banks Island, Canadian Arctic. Vincent, J.S., 1983, p.39-48, fre. 39-2821
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- Jökulhlaups and ice-dammed lakes, Jotunheimen, Norway. Shakesby, R.A., 1985, p.1-16, eng. 39-3586
- Short-term bathymetric changes in an ice-contact proglacial lake. Duck, R.W., et al., 1985, p.39-45, eng. 39-3588
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- Glacial meteorology**
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- Air temperature variations above mountain glaciers. Vilesov, E.N., et al., 1983, p.47-53, rus. 39-1920
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- Evaporation on Hinterseferner. Kaser, G., 1983, p.149-162, eng. 39-1965
- Some studies of the Batura glacier in the Karakoram Mountains. Shi, Y., et al., 1984, p.51-63, eng. 39-2299
- Mass budget imbalances as criterion for a climatic classification of glaciers. Kuhn, M., 1984, p.229-238, eng. 39-2505
- Climatic and physical characteristics of the Greenland ice sheet. Radok, U., et al., 1982, 193p. + appendix + maps, eng. 39-2710
- Glacial periods**
- See: Ice age theory; Paleoclimatology; Pleistocene
- Glacial rivers**
- Results of tracer experiments with fluorescent dyes on Vernagtferner (Oetzal Alps, Austria) from 1974 to 1982. Behrens, H., et al., 1983, p.65-83, eng. 39-49
- Calculating the glacial component in total river discharge. Samukashvili, R.D., 1984, p.128-132, rus. 39-303
- Suspended sediments in a proglacial stream. Gurnell, A.M., et al., 1984, p.93-106, eng. 39-608
- Using satellite information on the seasonal snow-line elevation in hydrologic forecasts of Central Asian rivers. Chernov, V.I.U., 1984, p.3-14, rus. 39-629
- Calculating glacier runoff from the southeastern Pamirs. Anbulat, A.A., et al., 1984, p.104-111, rus. 39-641
- Chemistry of jökulhlaup water and geothermal system in Iceland. Steinthórsson, S., et al., 1982, p.73-86, eng. 39-986
- Floods and flood danger in Iceland. Rist, S., 1982, p.119-132, eng. 39-989
- Direct filtration of streamborne glacial silt. Ross, M.D., et al., 1982, 17p., eng. 39-1272
- Studies of recent land glaciation of the Soviet Arctic. Govorukha, L.S., 1984, p.344-350, rus. 39-1303
- Was there a Panarctic ice sheet during the Pleistocene. Nesic, K.N., 1984, p.300-307, eng. 39-2549

Glacial rivers (cont.)

- Study of sediment transport in Norwegian glacial rivers. 1969. Ostrem, G., et al. (1973, 46p., eng) 39-2634
- Permafrost phenomena in the Chara River basin. Krendeliev, F.P., et al. (1985, p.53-82, rus) 39-3596
- Temperature inversions in the Chara basin. Plukhin, B.V., et al. (1985, p.83-87, rus) 39-3597

Glacial till

- Aerial photographic interpretation of coarse-grained till. Viberg, L., (1984, p.15-16, eng) 39-146
- Frost heaving of multigraded soils. Johansson, H.G., (1984, p.95-98, eng) 39-147
- Production of road construction material from till. Knutz, A., (1984, p.99-100, eng) 39-148
- Clasts with stoss-ice form in lodgement tills: a discussion. Krüger, J., (1984, p.241-243, eng) 39-1682

Glaciation

- Climatic variations in China during the Quaternary. Duan, W., et al. (1980, p.515-524, eng) 39-91
- Sensitivity of late-glacial and Holocene climates to the combined effects of orbital parameter changes and lower boundary condition changes: "snapshot" simulations with a general circulation model for 18, 9 and 6 ka BP. Kutzbach, J.E., et al. (1984, p.85-87, eng) 39-178
- Lake sediments as continental delta O-18 records from the glacial/post-glacial transition. Siegenthaler, U., et al. (1984, p.149-152, eng) 39-189
- Atmospheric CO₂ concentration during the last glaciation. Stauffer, B., et al. (1984, p.160-164, eng) 39-191
- Possible late Paleozoic glaciation in the central parts of the Yemen Arab Republic. El-Nakhal, H.A., (1984, p.126-128, eng) 39-253
- Ancient rock sea in Shennongjia Mountain. Guo, F., (1983, p.67-70, chi) 39-269
- Basal moraine hills at Boduizangbu Basin in the southeastern Tibet. Yang, Y., (1983, p.71-74, chi) 39-270
- Nivation in tundra. Rapp, A., (1982, p.131-142, swe) 39-281

- Life of the Earth. Global tectonics and dynamics of natural processes. Ushakov, S.A., ed. (1984, 152p., rus) 39-389

- Satellite information for studying snow and ice covers. Ushakova, L.A., (1984, p.73-79, rus) 39-392

- Paleogeology in Antarctica. Bardin, V.I., (1984, p.155-164, eng) 39-555

- Ice sheets on the move. Drewry, D.J., (1984, p.356-361, eng) 39-595

- Pleistocene and modern snow accumulation patterns, San Juan Mountains, CO. Leonard, E.M., (1984, p.65-76, eng) 39-606

- Permafrost during Late Pleistocene in N and NE China. Cui, Z., et al. (1984, p.165-176, chi) 39-626

- Canada's last great ice sheet. Dyke, A.S., et al. (1983, p.6-8, eng) 39-780

- Preliminary study on Quaternary climate in China. Guo, X., (1984, p.49-59, chi) 39-933

- Paleoceanography of the southern ocean. Burckle, L.H., (1984, p.241-261, eng) 39-954

- Late Paleozoic Gondwana glaciation. Martin, H., (1981, p.480-496, eng) 39-1530

- Hemispheric circulation asymmetry during Late Tertiary. Flohn, H., (1981, p.725-736, eng) 39-1534

- Discussion on the periglacial development in the northeast marginal region of Qinghai-Xizang Plateau. Xu, S., et al. (1984, p.15-25, chi) 39-1536

- "Marine" ice cap in south Beringia. Grosval'd, M.G., et al. (1984, p.128-146, eng) 39-1654

- Insolation gradients and the paleoclimatic record. Young, M.A., et al. (1982, p.707-713, eng) 39-1991

- Quaternary glacial history of the Hunza Valley, Karakoram Mountains, Pakistan. Derbyshire, E., et al. (1984, p.456-495, eng) 39-2321

- Glaciation of South America. Glebova, L.N., et al. (1984, p.29-43, rus) 39-2766

- Development and fluctuation of Antarctica's Cenozoic glaciation: the terrestrial record. Tingey, R.J., (1982, p.181-189, eng) 39-2877

- Reversible and continuous solidification processes in loose Quaternary sediments of North America. Brochu, M., (1985, p.1-4, fre) 39-2990

- Paleoclimatic research and models (1983, 205p., eng) 39-3144

- Actual paleoclimatic problems from a climatologist's viewpoint. Flohn, H., (1983, p.17-33, eng) 39-3145

- Glacial and non-glacial episodes according to marine core, Frobisher Bay. Dowdeswell, J.A., et al. (1985, p.119-132, eng) 39-3370

- Great Scandinavian ice sheet. Wang, J., et al. (1984, p.1-14, chi) 39-3512

- Environment since main Würm glaciation. Tian Shan. Qin, D., et al. (1984, p.51-62, chi) 39-3517

- Pleistocene glaciation in East China. Cui, Z., et al. (1984, p.77-86, chi) 39-3520

- Ice cores data: climatic and environmental changes since the last glacial maximum. Lorus, C., (1983, p.37-49, fre) 39-3526

- Historic cartographic evidence for Holocene changes in the antarctic ice cover. Weihsaupt, J.G., (1984, p.493-501, eng) 39-3634

- Ice on planets of the solar system. Krass, M.S., (1984, p.259-274, eng) 39-3774

- Paleoclimates in southern Africa. Lewin, R., (1985, p.1325-1327, eng) 39-3871

- Glaciation of the continental shelves (Part I). Grosval'd, M.G., (1984, p.194-258, eng) 39-3884

- Quaternary and present environments of northeastern Canada. Jacobs, J.D., et al. (1985, p.26-68, eng) 39-3932

- Weathering and soil development on Baffin Island. Locke, W.W., III, (1985, p.331-353, eng) 39-3936

- Glaciation of the continental shelves (Part II). Grosval'd, M.G., (1984, p.287-351, eng) 39-4057

- See also: Alpine glaciation

- Glacier ablation

- Ice mass fluctuations in northern Victoria Land. Mayewski, P.A., (1983, p.112, eng) 39-10

- Glacier mass balance in the Otztal Alps, Austria, 1977/78-1980/81. Markl, G., (1983, p.161-167, ger) 39-103

- Basal moraine hills at Boduizangbu Basin in the southeastern Tibet. Yang, Y., (1983, p.71-74, chi) 39-270

- Calculating the glacial component in total river discharge. Samukashvili, R.D., (1984, p.128-132, rus) 39-303

- Global formulas of A.N. Krenke and V.G. Khodakov for calculating snow melting. Pertsiger, F.I., et al. (1984, p.14-16, rus) 39-630

- Calculating total glacier ablation. Kononov, V.G., (1984, p.92-98, rus) 39-639

- Calculating glacier ablations from mean summer air temperature. Shchetinnikov, A.S., et al. (1984, p.98-104, rus) 39-640

- Calculating glacier runoff from the southeastern Pamirs. Ianbulat, A.A., et al. (1984, p.104-111, rus) 39-641

- Subaerial sediment flow of the Matanuska Glacier, Alaska. Lawson, D.E., (1982, p.279-300, eng) 39-765

- Antarctic ice berths. Dubrovinn, L.I., et al. (1984, p.33-41, rus) 39-1008

- Hydrology and glaciology of the dry valleys, 1980-81. Chinn, T.J., et al. (1983, 64p., eng) 39-1206

- Field season in Victoria Land, 1981-1982. Fudali, R.F., et al. (1984, p.9-16, eng) 39-1241

- Ablation and ice movement at the Allan Hills Main Icefield between 1978 and 1981. Schultz, L., et al. (1984, p.17-22, eng) 39-1242

- Avalanches and glacier at Hailougou in the Mt. Gongga. Wang, Y., et al. (1984, p.37-44, chi) 39-1538

- Calculation of glacier mass balance. Makarevich, K.G., et al. (1983, p.8-16, rus) 39-1917

- Air temperature variations over high mountains. Blagoveshchenskii, V.P., (1983, p.53-73, rus) 39-1921

- Methods of calculating snow reserves in mountains. Severskii, I.V., (1983, p.98-118, rus) 39-1924

- Formation of glacial mudflows. Golubovich, V.A., (1984, p.135-139, rus) 39-2295

- Climatic effects on the water balance of glaciers. Kluge, R.K., (1985, p.21-25, rus) 39-2462

- Estimation of mass balance components of a summer-accumulation type glacier in Nepal, Himalaya. Agata, Y., et al. (1984, p.249-255, eng) 39-2507

- Ice and snow maps for continents. Aliushinskaya, N.M., et al. (1984, p.63-68, rus) 39-2769

- Ablation component in water balance of glacial lakes. Shchetinnikov, A.S., (1984, p.126-132, rus) 39-2778

- Heat balance of the Greenland ice sheet. Ambach, W., (1985, p.3-12, eng) 39-3718

- Mathematical model for perched bed formation. Patterson, E.A., (1984, p.296-301, eng) 39-3778

- Glacier alimentation

- Glacier mass balance in the Otztal Alps, Austria, 1977-78-1980/81. Markl, G., (1983, p.161-167, ger) 39-103

- Statistical-dynamical model of accumulation on the Greenland ice sheet. Keen, R.A., (1984, p.69-74, eng) 39-175

- Unusual forms of snow cover relief in Central Asian mountains. Ratsek, V.I., et al. (1984, p.24-27, rus) 39-632

- Studies of recent land glaciation of the Soviet Arctic. Gonorukha, L.S., (1984, p.344-350, rus) 39-1303

- "Marine" ice cap in south Beringia. Grosval'd, M.G., et al. (1984, p.128-146, eng) 39-1654

- Pollution of seasonal ice layer in glaciers. Zalikhanov, M.Ch., et al. (1984, p.134-144, rus) 39-1711

- Formulas for calculating glacier alimentation. Severskii, I.V., (1983, p.89-98, rus) 39-1923

- Glacier ice and morphology of a fjord, British Columbia. Roberts, M.C., et al. (1984, p.381-393, eng) 39-2566

- Glacier regime and dynamics reflected in the firn line position. Chernova, L.P., (1984, p.189-192, rus) 39-2789

- Radio echo sounding of inland ice near Disko Bay, Greenland, 1984. Thomsen, H.H., et al. (1985, 20p., eng) 39-2843

- Geological interpretation of satellite photographs of antarctic mountain regions. Bud'ko, V.M., (1985, p.50-55, rus) 39-2893

- Bedrock topography of the Greenland ice sheet in the Dye 3 area. Overgaard, S., et al. (1985, p.49-56, eng) 39-3566

- Geophysics of subglacial geology at Dye 3, Greenland. Jezek, K.C., et al. (1985, p.105-110, eng) 39-3575

- Electrical resistivity soundings of glacier beds. Haeblerli, W., et al. (1984, p.373-376, eng) 39-3791

- Glacier flow

- Numerical modeling of the Vernagtferner and its fluctuations. Kruss, P.D., et al. (1983, p.93-106, eng) 39-51

- Icequakes and glacier motion: the Hans Glacier, Spitsbergen. Cichowicz, A., (1983, p.27-38, eng) 39-86

- Flow of rock glaciers. Evins, M., et al. (1983, p.107-126, fre) 39-100

- Flow behavior of basal ice as related to modeling considerations. Shoji, H., et al. (1984, p.141-148, eng) 39-188

- Glacier flexure and the position of grounding lines: measurements by tiltmeter on Rutford Ice Stream, Antarctica. Stephenson, S.N., (1984, p.165-169, eng) 39-192

- Stability of sheet water flow under a glacier. Weertman, J., et al. (1983, p.374-382, eng) 39-199

- Net balance, surface lowering, and ice-flow pattern in the interior of Lewis Glacier, Mount Kenya. Hastenrath, S., (1983, p.392-402, eng) 39-201

- Early discoverers. XXXIII. John Hardcastle on glacier motion and glacial loess. Smalley, I.J., (1983, p.480-484, eng) 39-207

- Whole-field interferometric scheme for measuring strain and flow rates of glacier and other natural surfaces. Cloud, G., et al. (1983, p.492-497, eng) 39-209

- Englacial deltaic sediments as evidence for basal freezing and marginal shearing, Leirbreen southern Norway. Harris, C., et al. (1984, p.30-34, eng) 39-239

- Fundamental features of modern glaciers in the Altay Shan of China. Wang, L., et al. (1983, p.27-38, chi) 39-264

- Euromech Colloquium 172: Mechanics of Glaciers. Interlaken, 19-23 September, 1983. Hutter, K., et al. (1984, p.77-86, eng) 39-333

- Ice-cored lateral moraines in Tarfala Valley, Swedish Lapland. Ackert, R.P., Jr., (1984, p.79-88, eng) 39-457

- Rock glaciers in northern Spitsbergen: a discussion. Humlum, O., (1982, p.214-218, eng) 39-764

- Results of geodetic-glaciological work on Hays Glacier. Reppchen, G., (1983, p.58-62, ger) 39-787

- Satellite measurement of antarctic glacier drift. Seebor, G., et al. (1984, p.176-186, ger) 39-1026

- Wurtenkees in the Goldberg group (Hohe Tauern)—a glacier of "anomalous" behavior. Böhm, R., (1982, p.270-272, ger) 39-1214

- Glaciological characteristics of Spartan Glacier, Alexander Island. Wager, A.C., et al. (1983, p.221-228, eng) 39-1363

- Borehole geometry on the Greenland and Antarctic ice sheets. Jezek, K.C., (1985, p.242-251, eng) 39-1749

- Calculating absolute transfer speed of glacier surfaces. Makarevich, K.G., et al. (1983, p.3-8, rus) 39-1916

- Theory of rotating cirque glacier movement and its applications. Körner, H.J., (1983, p.103-130, ger) 39-1963

- Glacier surveys in Pasterze (Glockner Group), 1983. Wakonig, H., (1983, p.189-194, eng) 39-1968

- Accurate modelling of glacier flow. Waddington, E.D., (1982, n.p., eng) 39-2004

- Glacier surge mechanism: 1982-1983 surge of Variegated Glacier, Alaska. Kamb, B., et al. (1985, p.469-479, eng) 39-2084

- Oblique aerial surveying technique for geographic studies. Gel'man, R.N., et al. (1984, p.35-37, rus) 39-2188

- Waves on glaciers. Fowler, A.C., (1982, p.283-321, eng) 39-2235

- Some studies of the Batura glacier in the Karakoram Mountains. Shi, Y., et al. (1984, p.51-63, eng) 39-2299

- Some observations on glacier surges with notes on the Roslin Glacier, East Greenland. Colvill, A.J., (1984, p.64-75, eng) 39-2300

- A surging advance of Balt Bare glacier, Karakoram Mountains. Wang, W., et al. (1984, p.76-83, eng) 39-2301

- Techniques for the study of glacial fluctuations. Perrotti, F.A., et al. (1984, p.94-100, eng) 39-2303

- Special techniques for surveying on moving terrain. Walton, J.L.W., (1984, p.186-195, eng) 39-2309

- Recent fluctuations in some glaciers of the Western Karakoram Mountains, Hunza, Pakistan. Goudie, A.S., et al. (1984, p.411-455, eng) 39-2320

- Glacial and postglacial sediments, Calgary area, Alberta. Proudfoot, D.N., et al. (1982, 159p., eng) 39-2567

- Climatic and physical characteristics of the Greenland ice sheet. Radok, U., et al. (1982, 193p. + appendix + maps, eng) 39-2710

- Role of glaciers in fjord formation. Glazovskii, A.F., 1984, p.113-119, rus] 39-2776
- Surges of the Muzgazy Glacier. Desinov, L.V., 1984, p.145-146, rus] 39-2780
- Measurements of ice flow velocities, Medvezhiy Glacier. Kazanskii, A.B., et al, 1984, p.192-174, rus] 39-2790
- Creep of mountain permafrost: alpine rock glaciers. Haeblerli, W., 1985, 142p. + map, eng] 39-2912
- Glacial detritus as a source of glaciological information. Kotliakov, V.M., et al, 1985, p.119-128, rus] 39-3260
- Glacier hazards. Tufnell, L., 1984, 97p., eng] 39-3269
- Surging ice caps in Nordaustlandet, Svalbard, 1983. Drewry, D.J., et al, 1985, p.359-378, eng] 39-3275
- Push moraine genesis in southern Iceland. Heim, D., 1984, p.21-36, ger] 39-3374
- Dirt layers and volcanic glass in the bare ice areas of Queen Maud Land and Victoria Land. Nishio, M., et al, 1984, p.160-173, eng] 39-3459
- Study of glacier and mud flows in Langtang, Nepal (Himalaya Mts.). Zheng, B., 1984, p.91-94, chi] 39-3522
- Search and collection of Yamato meteorites in the 1982-83 field season. Katsushima, T., et al, 1984, p.1-8, eng] 39-3527
- Modified radar equation for detecting meteorites buried in ice. Tajima, K., et al, 1984, p.9-17, eng] 39-3528
- Geochemical landscapes of the Karelia-Kola Peninsula region. Stukkel, G.A., 1985, p.14-21, rus] 39-3540
- Dating the Dye 3 deep ice core by flow model calculations. Reeh, N., et al, 1985, p.57-65, eng] 39-3567
- Steady-state prediction of Dye 3 core features. McInnes, B., et al, 1985, p.111-117, eng] 39-3576
- Recent variations of the Inuait glacier and adjacent glacier in the Karakoram Mountains. Zhang, X., 1980, p.12-16, chi] 39-3695
- Re-advance of a debris-covered glacier, President Range, B.C., Canada. Rogerson, R.J., 1985, p.13-17, eng] 39-3719
- Radiometric chronology of Changme-Khangpu glacier, Sikkim. Nijampurkar, V.N., et al, 1985, p.28-33, eng] 39-3721
- Apparent short-term glacier velocity variations. Andreasen, J.-O., 1985, p.49-53, eng] 39-3724
- Glacier flow model incorporating longitudinal deviatoric stresses. Shoemaker, E.M., et al, 1984, p.334-340, eng] 39-3784
- Glacier sliding at subfreezing temperatures. Shreve, R.L., 1984, p.341-347, eng] 39-3785
- Flow law of ice in polar ice sheets. Doane, C.S.M., et al, 1985, p.255-257, eng] 39-3887
- Electrical soundings of some rock glaciers and moraines in the southern Alps of France. Evin, M., 1984, p.127-137, fre] 39-3928
- Patterns of glacial erosion across the eastern Canadian Arctic. Andrews, J.T., et al, 1985, p.69-92, eng] 39-3933
- Glacier fluctuations**
See: Glacier oscillation
- Glacier heat balance**
Ice dynamics and thermal regime of Taylor Glacier. Robinson, P.H., 1984, p.153-160, eng] 39-1670
- Energy balance of tundra, sea surface, glaciers and forests in Arctic. Ohmura, A., 1984, p.221-228, eng] 39-1732
- Heat balance of the Greenland ice sheet. Ambach, W., 1985, p.3-12, eng] 39-3718
- Glacier ice**
Core drilling on Vernagtferner (Oetzal Alps, Austria) in 1979: tritium contents. Oerter, H., et al, 1983, p.13-22, eng] 39-44
- Core drilling on Vernagtferner (Oetzal Alps, Austria) in 1979: deuterium and oxygen-18 contents. Stichter, W., et al, 1983, p.23-35, eng] 39-45
- Dating of ice cores from Vernagtferner (Austria) with fission products and lead-210. Gunten, H.R. von, et al, 1983, p.37-45, eng] 39-46
- Isotope distribution and glaciology of the Schirmacher Ponds region. Hermichen, W.-D., et al, 1984, p.87-102, eng] 39-129
- Modelling temperature distribution in Alpine glaciers. Blatter, H., et al, 1984, p.18-22, eng] 39-166
- Isotope stratification in high mountain glaciers: examples from the Peruvian Andes and Himalaya. Grabczak, J., et al, 1983, p.417-424, eng] 39-203
- Elastic constants of artificial and natural ice samples by Brillouin spectroscopy. Gammon, P.H., et al, 1983, p.433-460, eng] 39-205
- Correlation between crystallographic axes and the shape of single crystal in glaciers. Ohtomo, M., et al, 1983, p.498-504, eng] 39-210
- Stable isotope analysis of a submarine ice cliff at Explorers Cove, McMurdo Sound, Antarctica. Stockton, W.L., et al, 1984, p.112-115, eng] 39-249
- Sedimentary processes and buried ice phenomena in the pro-glacial areas of Spitzbergen glaciers. Hambrey, M.J., 1984, p.116-119, eng] 39-250
- Particle concentrations at the South Pole, on meteorological and climatological time scale. Hogan, A., et al, 1984, p.850-853, eng] 39-282
- New species of actinomycete found in Central Antarctic glacier. Abyzov, S.S., et al, 1983, p.310-318, eng] 39-459
- Distinguishing annual layers in firn-ice cores. Glazyrin, G.E., et al, 1984, p.79-92, rus] 39-638
- Calculating total glacier ablation. Kononov, V.G., 1984, p.92-98, rus] 39-639
- Isotope geochemistry on Vavilov Glacier. Vafkmae, R.A., et al, 1984, p.73-79, eng] 39-726
- Glaciological and geocryological studies on King George Island. Vtiurin, B.I., et al, 1984, p.33-37, rus] 39-976
- Satellite measurement of antarctic glacier drift. Seebert, G., et al, 1984, p.176-186, ger] 39-1026
- Origin of salts in antarctic saline lake waters. Masuda, N., et al, 1984, p.194-203, eng] 39-1094
- Hydrology and glaciology of the dry valleys, 1980-81. Chinn, T.J., et al, 1983, 64p., eng] 39-1206
- Albedo studies on a glacier by means of black-and-white photographs. Kiesel, H., 1982, p.284-286, ger] 39-1218
- Ice, water and energy balances of Spartan Glacier, Alexander Island. Jamieson, A.W., et al, 1983, p.155-186, eng] 39-1361
- Rigsby stage with remote computer compatible output. Morgan, V.I., et al, 1984, p.89-92, eng] 39-1625
- Near-surface temperatures of glaciers. Hooke, R.L., et al, 1983, p.1-25, eng] 39-1630
- Snow physics, avalanches, glacial mudflows. Zalikhonov, M.Ch., ed, 1984, 160p., rus] 39-1698
- Pollution of seasonal ice layer in glaciers. Zalikhonov, M.Ch., et al, 1984, p.134-144, rus] 39-1711
- Glaciological activities of the Vavilov Dome research station. Govorkha, L.S., 1984, p.79-82, rus] 39-1833
- Glaciers, snow cover and avalanches in the mountains of Kazakhstan. Tokmagambetov, G.A., ed, 1983, 207p., rus] 39-1915
- Calculating absolute transfer speed of glacier surfaces. Makarevich, K.G., et al, 1983, p.3-8, rus] 39-1916
- Heat balance of glacier surfaces in anomalously dry years. Golovkova, R.G., 1983, p.28-36, rus] 39-1919
- Air temperature variations above mountain glaciers. Vilesov, E.N., et al, 1983, p.47-53, rus] 39-1920
- Rheology of glacier ice. Jezek, K.C., et al, 1985, p.1335-1337, eng] 39-1942
- Glacier oscillations and moraine accumulation processes in the Central Caucasus. Serbianniy, L.R., et al, 1984, 216p., rus] 39-2024
- Pollen analysis of the 1973 ice core from Devon Island glacier, Canada. McAndrews, J.H., 1984, p.68-76, eng] 39-2062
- Oblique aerial surveying technique for geographic studies. Gel'man, R.N., et al, 1984, p.35-37, rus] 39-2188
- Problems of physical geography. Selected works. Kalesnik, S.V., 1984, 288p., rus] 39-2220
- Interrelations between runoff and processes originating inside moraines. Golubovich, V.A., 1984, p.74-77, rus] 39-2287
- Formation of glacial mudflows. Golubovich, V.A., 1984, p.135-139, rus] 39-2295
- Fracture toughness of glacier ice. Andrews, R.M., et al, 1984, p.39-50, eng] 39-2308
- Ice-induced vertical circulation in an Arctic fiord. Horne, E.P.W., 1985, p.1078-1086, eng] 39-2362
- Transitional forms between snowpatch and glacier. Lindh, L., 1984, p.145-156, eng] 39-2564
- Relic Pleistocene glacier ice on Victoria Land, Canada. Lorrain, R.D., et al, 1985, p.89-98, eng] 39-2674
- Oblique radio-echo sounding of glacier ice. Epov, A.B., 1984, p.165-174, rus] 39-2784
- Determining glacier mass-balance fluctuations from hydrometeorological data. Zhuk, V.A., et al, 1984, p.178-181, rus] 39-2786
- Measurements of ice flow velocities, Medvezhiy Glacier. Kazanskii, A.B., et al, 1984, p.192-174, rus] 39-2790
- Radio-echo logging of wells in glaciers. Macheret, I.U.I.A., et al, 1984, p.198-203, rus] 39-2791
- Density and rheological properties of glacier ice. Salamatina, A.N., et al, 1985, p.94-106, rus] 39-2897
- Glacial detritus as a source of glaciological information. Kotliakov, V.M., et al, 1985, p.119-128, rus] 39-3260
- My polar travels. Treshnikov, A.F., 1985, 478p., rus] 39-3348
- Heat and mass transfer in contact melting (applied to thermal drilling). Chistiakov, V.K., et al, 1984, 176p., rus] 39-3377
- Mathematical description of contact melting of ice. Salamatina, A.N., et al, 1985, p.1071-1077, eng] 39-3405
- Comment on "Ice-induced vertical circulation in an Arctic fiord" by Edward P.W. Horne. Nezhys, S., et al, 1985, p.5011-5013, eng] 39-3434
- Glacier mass balance**
Ice mass fluctuations in northern Victoria Land. Mayewski, P.A., 1983, p.112, eng] 39-10
- Glacier mass balance in the Oetzal Alps, Austria, 1977/78-1980/81. Markl, G., 1983, p.161-167, ger] 39-103
- Follow-up measurements, Pasterze (Glockner Group) 1982. Wakonig, H., 1983, p.191-197, ger] 39-106
- Cross-sectional model for West Antarctica. McInnes, B.J., et al, 1984, p.95-99, eng] 39-180
- Glacier flexure and the position of grounding lines: measurements by tiltmeter on Rutford Ice Stream, Antarctica. Stephenson, S.N., 1984, p.165-169, eng] 39-192
- Net balance, surface lowering, and ice-flow pattern in the interior of Lewis Glacier, Mount Kenya, Kenya. Hastenrath, S., 1983, p.392-402, eng] 39-201
- Isotope stratification in high mountain glaciers: examples from the Peruvian Andes and Himalaya. Grabczak, J., et al, 1983, p.417-424, eng] 39-203
- Fundamental features of modern glaciers in the Altay Shan of China. Wang, L., et al, 1983, p.27-38, chi] 39-264
- Jakobshavn Glacier drainage basin: a balance assessment. Bindshadler, R.A., 1984, p.2066-2072, eng] 39-678
- Rock glaciers in northern Spitzbergen: a discussion. Humlum, O., 1982, p.214-218, eng] 39-764
- Results of geodetic-glaciological work on Hays Glacier. Reppechen, G., 1983, p.58-62, ger] 39-787
- Contribution of small glaciers to global sea level. Meier, M.F., 1984, p.1418-1421, eng] 39-1028
- Notes on ice in the hydrosphere. Reinwarth, O., 1982, p.259-265, ger] 39-1213
- Importance of glaciers when planning water resources development or what happened to the glaciers in the period 1930-60. Lundquist, D., 1984, p.5.127-5.133, eng] 39-1300
- Ice, water and energy balances of Spartan Glacier, Alexander Island. Jamieson, A.W., et al, 1983, p.155-186, eng] 39-1361
- Glaciological characteristics of Spartan Glacier, Alexander Island. Wager, A.C., et al, 1983, p.221-228, eng] 39-1363
- Ice dynamics and thermal regime of Taylor Glacier. Robinson, P.H., 1984, p.153-160, eng] 39-1670
- Atmospheric circulation and glacier mass balance. Yarnal, B., 1984, p.188-198, eng] 39-1674
- Hypsometry and valley glacier response. Furbish, D.J., et al, 1984, p.199-211, eng] 39-1675
- Terminus response of Lewis Glacier, Kenya. Kruss, P., 1984, p.212-217, eng] 39-1676
- Glaciological work in 1983. Liestöl, O., 1984, p.35-45, eng] 39-1839
- Calculation of glacier mass balance. Makarevich, K.G., et al, 1983, p.8-16, rus] 39-1917
- Glaciers of the Austrian Alps, 1982-1983. Patzelt, G., 1983, p.173-188, eng] 39-1967
- Accurate modelling of glacier flow. Waddington, E.D., 1982, n.p., eng] 39-2004
- Glacier inventory and annual runoff, SE Ellesmere Island. Kraus, P., 1983, 101p., eng] 39-2467
- Glacier mass balance measurements. Root, E.F., 1984, p.165-167, eng] 39-2500
- Canadian glacier hydrology and mass balance studies—a history of accomplishments and recommendations for future work. Young, G.J., et al, 1984, p.169-182, eng] 39-2501
- Studies of glacier behaviour and glacier mass balance in Greenland—a review. Weidick, A., 1984, p.183-195, eng] 39-2502
- Water and mass balance measurements in glacierised drainage basins. Collins, D.N., 1984, p.197-214, eng] 39-2503
- Glacier mass balance and runoff research in the USA. Mayo, L.R., 1984, p.215-227, eng] 39-2504
- Mass budget imbalances as criterion for a climatic classification of glaciers. Kuhn, M., 1984, p.229-238, eng] 39-2505
- Spatio temporal distribution of the glacial mass balance in the Alpine, Scandinavian and Tien Shan areas. Reynaud, L., et al, 1984, p.239-247, eng] 39-2506
- Estimation of mass balance components of a summer-accumulation type glacier in Nepal, Himalaya. Ageta, Y., et al, 1984, p.249-255, eng] 39-2507
- Prediction of glacier derived runoff for hydro-electric development. Tangborn, W.V., 1984, p.257-265, eng] 39-2508
- Probability forecasts of mass balance of glaciers and glacier systems. Diurgerov, M.B., 1984, p.133-145, rus] 39-2779
- Determining glacier mass-balance fluctuations from hydrometeorological data. Zhuk, V.A., et al, 1984, p.178-181, rus] 39-2786
- Glacier regime and dynamics reflected in the firn line position. Chernova, L.P., 1984, p.189-192, rus] 39-2789
- Problems of snow cover assessment: an approach using remote sensing techniques in a pilot project in the Beas River basin, Himachal Pradesh, India. Vohra, C.P., et al, 1980, p.139-142, eng] 39-3130
- Surging ice caps in Nordaustlandet, Svalbard, 1983. Drewry, D.J., et al, 1985, p.359-378, eng] 39-3275
- Behavior of Glacier No.1 at Urumqi River headwaters. Wang, W., et al, 1984, p.13-24, chi] 39-3317
- Mass balance of Glacier No.1, Tien Shan and climate. Zhang, J., et al, 1984, p.25-36, chi] 39-3318
- Stratigraphy of the Quelccaya ice cap, Peru. Thompson, L.G., et al, 1984, p.50-53, eng] 39-3364
- Steady-state prediction of Dye 3 core features. McInnes, B., et al, 1985, p.111-117, eng] 39-3576
- Mass balance of Lambert Glacier drainage basin. McIntyre, N.F., 1985, p.34-38, eng] 39-3722

Glacier mass balance (cont.)

- Glacier mass balance by estimates from equilibrium-line altitude. Braithwaite, R.J., 1984, p.364-368, eng 39-3789
- Devon Island ice core and the glacial record. Koerner, R.M., et al, 1985, p.309-327, eng 39-3935
- Glacier melting**
- Stability of sheet water flow under a glacier. Weertman, J., et al, 1983, p.374-382, eng 39-199
- Solute acquisition in glacial melt waters. I. Fjallsjökull (south-east Iceland): bulk melt waters with closed-system characteristics. Raiswell, R., et al, 1984, p.35-43, eng 39-240
- Solute acquisition in glacial melt waters. II. Argentière (French Alps): bulk melt waters with open-system characteristics. Thomas, A.G., et al, 1984, p.44-48, eng 39-241
- Chemical models of solute acquisition in glacial melt waters. Raiswell, R., 1984, p.49-57, eng 39-242
- Field pH determinations in glacial melt waters. Metcalf, R.C., 1984, p.106-111, eng 39-248
- Antarctic and Greenland ice sheets and the level of world ocean. Verbitskii, M.I.A., 1982, p.120-124, rus 39-756
- Subsidence sediment flow of the Matanuska Glacier, Alaska. Lawson, D.E., 1982, p.279-300, eng 39-765
- Results of geodetic-glaciological work on Hays Glacier. Reppche, G., 1983, p.58-62, ger 39-787
- Coastal sediments in glacial Lake Jökulsárlón, Iceland. Boulton, G.S., et al, 1982, p.37-47, eng 39-982
- Radiation budget in the Alpine region. Müller, H., 1984, 167p., ger 39-991
- Glaciers and rock glaciers in the southern French Alps. Evin, M., et al, 1983, p.27-41, fre 39-1631
- Glacier inventory and annual runoff, SE Ellesmere Island. Kraus, P., 1983, 101p., eng 39-2467
- Deposition on moraine embankments, Glacier de Tsidjore Nouve, Switzerland. Smal, R.J., et al, 1984, p.275-281, eng 39-3775
- Glacier sliding at subfreezing temperatures. Shreve, R.L., 1984, p.341-347, eng 39-3785
- Glacier movement**
- See: Glacier flow
- Glacier oscillation**
- Glacial geology and soils in Beacon Valley. Potter, N., Jr., et al, 1983, p.100-103, eng 39-4
- Numerical modeling of the Vernagtferner and its fluctuations. Kruss, P.D., et al, 1983, p.93-106, eng 39-51
- Glaciers of the Austrian Alps, 1981/82. Patzelt, G., 1983, p.175-190, ger 39-105
- Follow-up measurements, Pasterze (Glockner Group) 1982. Wakonig, H., 1983, p.191-197, ger 39-106
- Glaciers in the north-eastern part of the Ch'ing-hai-Hai-tang (Qinghai-Xizang) Plateau (Tibet) and their variations. Wang, W., 1983, p.383-391, eng 39-200
- Lacustrine glacier retreat sequence from the Permian-Carboniferous Dwyka Formation, Republic of South Africa. Visser, J.N.J., 1983, p.515-520, eng 39-214
- Annual moraine ridges at Skálafellsjökull, south-east Iceland. Sharp, M., 1984, p.82-93, eng 39-246
- Morphology, stratigraphy, and genesis of small drumlins in front of the glacier Myrdalsjökull, south Iceland. Krüger, J., et al, 1984, p.94-105, eng 39-247
- Correlation between tree ring and climatic and glacial variations in the region of Mts. Altay. Kang, X., 1983, p.57-62, chi 39-267
- Surging glacier in the Nanjibawa Peak area, Himalayas. Zhang, W., 1983, p.75-76, chi 39-271
- Recent climatic changes in the Caucasus. Surova, N.A., 1984, p.83-98, rus 39-298
- Euromech Colloquium 172: Mechanics of Glaciers, Interlaken, 19-23 September, 1983. Hutter, K., et al, 1984, p.77-86, eng 39-333
- Variations of Coleman Glacier, WA. Heikkinen, O., 1984, p.53-64, eng 39-605
- Changes in the Breidamerkurjökull, Iceland, 1890-1980. Price, R.J., 1982, p.29-35, eng 39-981
- Margins of Gjödfurajökull and the chronology of recent deglaciation. Caseldine, C.J., 1982, p.111-118, eng 39-988
- Contribution of small glaciers to global sea level. Meier, M.F., 1984, p.1418-1421, eng 39-1028
- Notes on ice in the hydrosphere. Reinwarth, O., 1982, p.259-265, ger 39-1213
- Wurtenkees in the Goldberg group (Hohe Tauern)—a glacier of "anomalous" behavior. Böhm, R., 1982, p.270-272, ger 39-1214
- Glacier fluctuations in South Georgia, 1883-1974. Hayward, R.J.C., 1983, p.47-61, eng 39-1360
- Glaciological work in 1983. Liestøl, O., 1984, p.35-45, eng 39-1839
- Glaciers of the Austrian Alps, 1982-1983. Patzelt, G., 1983, p.173-188, eng 39-1967
- Glacier oscillations and moraine accumulation processes in the Central Caucasus. Serebriannyi, L.R., et al, 1984, 216p., rus 39-2024
- Problems of physical geography. Selected works. Kalenik, S.V., 1984, 288p., rus 39-2220
- Recent variations of some glaciers in the Karakoram Mountains. Zhang, X., 1984, p.39-50, eng 39-2298
- Techniques for the study of glacial fluctuations. Perrott, F.A., et al, 1984, p.94-100, eng 39-2303
- Recent fluctuations in some glaciers of the Western Karakoram Mountains, Hunza, Pakistan. Ooudie, A.S., et al, 1984, p.411-455, eng 39-2320
- Reconnaissance study of proglacial Stewart Lakes, Baffin Island, District of Franklin. Gilbert, R., et al, 1985, p.505-510, eng 39-2333
- Canadian glacier hydrology and mass balance studies—a history of accomplishments and recommendations for future work. Young, G.J., et al, 1984, p.169-182, eng 39-2501
- Recent changes of some glaciers of East Svartisen, Norway. Knudsen, N.T., et al, 1984, p.367-380, eng 39-2565
- Surges of the Muzgazy Glacier. Desinov, L.V., 1984, p.145-146, rus 39-2780
- Glacier hazards. Tufnell, L., 1984, 97p., eng 39-3269
- Glacier oscillation in relationship with climatic changes. Tian Shan. Zhang, X., et al, 1984, p.1-12, chi 39-3316
- Behavior of Glacier No.1 at Urumqi River headwaters. Wang, W., et al, 1984, p.13-24, chi 39-3317
- Great Scandinavian ice sheet. Wang, J., et al, 1984, p.1-14, chi 39-3512
- Environment since main Würm glaciation, Tian Shan. Qin, D., et al, 1984, p.51-62, chi 39-3517
- Short-term bathymetric changes in an ice-contact proglacial lake. Duck, R.W., et al, 1985, p.39-45, eng 39-3588
- Recent variations of the Inakaiti glacier and adjacent glacier in the Karakoram Mountains. Zhang, X., 1980, p.12-16, chi 39-3695
- Measurement on variation of glacial surface by repeated terrestrial stereophotographic method. Chen, J., 1980, p.29-36, chi 39-3698
- Re-advance of a debris-covered glacier, President Range, B.C., Canada. Rogerson, R.J., 1985, p.13-17, eng 39-3719
- Glacier surfaces**
- Flow of rock glaciers. Evin, M., et al, 1983, p.107-126, fre 39-100
- Net balance, surface lowering, and ice-flow pattern in the interior of Lewis Glacier, Mount Kenya, Kenya. Hastenrath, S., 1983, p.392-402, eng 39-201
- Precipitation of atmospheric dust on mountain glacier surfaces. Glazyrin, G.E., et al, 1984, p.120-125, rus 39-643
- Using parabolas to describe the cross-sections of glaciated valleys. Wheeler, D.A., 1984, p.391-394, eng 39-1018
- Glaciers, snow cover and avalanches in the mountains of Kazakhstan. Tokmagambetov, G.A., ed, 1983, 207p., rus 39-1915
- Calculating absolute transfer speed of glacier surfaces. Makarevich, K.G., et al, 1983, p.3-8, rus 39-1916
- Estimating radiation balance of mountain glaciers. Cherkasov, P.A., 1983, p.16-27, rus 39-1918
- Heat balance of glacier surfaces in anomalously dry years. Golovkova, R.G., 1983, p.28-36, rus 39-1919
- Air temperature variations above mountain glaciers. Vilesov, E.N., et al, 1983, p.47-53, rus 39-1920
- Snow reserves distribution on mountain glaciers. Cherkasov, P.A., et al, 1983, p.74-89, rus 39-1922
- Problems of physical geography. Selected works. Kalenik, S.V., 1984, 288p., rus 39-2220
- Waves on glaciers. Fowler, A.C., 1982, p.283-321, eng 39-2235
- Variations of the Batura Glacier's surface from repeated surveys. Chen, J., 1984, p.196-204, eng 39-2310
- Relations between snow accumulation on glaciers and in valleys. Gus'kov, A.S., et al, 1984, p.185-188, rus 39-2788
- Geological interpretation of satellite photographs of antarctic mountain regions. Bud'ko, V.M., 1985, p.50-55, rus 39-2893
- Measurement on variation of glacial surface by repeated terrestrial stereophotographic method. Chen, J., 1980, p.29-36, chi 39-3698
- Mass balance of Lambert Glacier drainage basin. McIntyre, N.F., 1985, p.34-38, eng 39-3722
- Apparent short-term glacier velocity variations. Andreasen, J.O., 1985, p.49-53, eng 39-3724
- Glacier surges**
- Glaciers in the north-eastern part of the Ch'ing-hai-Hai-tang (Qinghai-Xizang) Plateau (Tibet) and their variations. Wang, W., 1983, p.383-391, eng 39-200
- Surging glacier in the Nanjibawa Peak area, Himalayas. Zhang, W., 1983, p.75-76, chi 39-271
- Life of the Earth. Global tectonics and dynamics of natural processes. Ushakov, S.A., ed, 1984, 152p., rus 39-389
- Expected surge of the Medvezhiy glacier in Pamirs. Dolguhin, L.S., 1984, p.66-69, rus 39-391
- Milne Glacier on Ellesmere Island may be surging. Jeffries, M.O., 1984, p.251-253, eng 39-1686
- Glacier surge mechanism: 1982-1983 surge of Variegated Glacier, Alaska. Kamb, B., et al, 1985, p.469-479, eng 39-2084
- Waves on glaciers. Fowler, A.C., 1982, p.283-321, eng 39-2235
- Recent variations of some glaciers in the Karakoram Mountains. Zhang, X., 1984, p.39-50, eng 39-2298
- Some observations on glacier surges with notes on the Roslin Glacier, East Greenland. Colville, A.J., 1984, p.64-75, eng 39-2380
- A surging advance of Balt Bare glacier, Karakoram Mountains. Wang, W., et al, 1984, p.76-83, eng 39-2301
- Geomorphology of high magnitude-low frequency events in the Karakoram Mountains. Brumaden, D., et al, 1984, p.383-388, eng 39-2314
- Studies of glacier behaviour and glacier mass balance in Greenland—a review. Weidick, A., 1984, p.183-195, eng 39-2502
- Glaciation of South America. Glebova, L.N., et al, 1984, p.29-43, rus 39-2766
- Surges of the Muzgazy Glacier. Desinov, L.V., 1984, p.145-146, rus 39-2780
- Measurements of ice flow velocities, Medvezhiy Glacier. Kazanskii, A.B., et al, 1984, p.193-174, rus 39-2790
- Surging ice caps in Nordaustlandet, Svalbard, 1983. Drewry, D.J., et al, 1985, p.359-378, eng 39-3275
- Glacier surveys**
- Orthophotographic map of Vernagtferner, Austria. Rentach, H., 1983, p.85-91, ger 39-50
- Glaciers of the Austrian Alps, 1981/82. Patzelt, G., 1983, p.175-190, ger 39-105
- Follow-up measurements, Pasterze (Glockner Group) 1982. Wakonig, H., 1983, p.191-197, ger 39-106
- Modelling temperature distribution in Alpine glaciers. Blatter, H., et al, 1984, p.18-22, eng 39-166
- Glaciers in the north-eastern part of the Ch'ing-hai-Hai-tang (Qinghai-Xizang) Plateau (Tibet) and their variations. Wang, W., 1983, p.383-391, eng 39-200
- Glacial geomorphology, marginal zone of Sydbræen Glacier, Norway. Johannsson, P., 1984, p.107-112, fin 39-235
- Ice core analysis, Penny Ice Cap, Baffin Island. Holdsworth, G., 1984, p.3-15, eng 39-236
- Radio echo-sounding of Spitzbergen glaciers: problems in the interpretation of layer and bottom returns. Dowdeswell, J.A., et al, 1984, p.16-21, eng 39-237
- Radio echo-sounding studies of englacial water movement in Variegated Glacier, Alaska. Jacobel, R., et al, 1984, p.22-29, eng 39-238
- Interpretation of the chemical and physical time-series retrieved from Sentik Glacier, Ladakh Himalaya, India. Mayewski, P.A., et al, 1984, p.66-76, eng 39-244
- Fundamental features of modern glaciers in the Altay Shan of China. Wang, L., et al, 1983, p.27-38, chi 39-264
- Some advance in the research of the Lanzhou Institute of Glaciology and Cryopedology (1981-1982). Shi, Y., et al, 1983, p.63-66, chi 39-268
- Type Glacier-I hot-water ice auger and its application. Liang, S., 1983, p.91-95, chi 39-273
- Problem of establishing a data bank for glaciers. Grakovich, V.F., et al, 1984, p.133-142, rus 39-304
- Report on the 1982 glaciological survey. 1983, p.72-100, ita 39-621
- Recent glaciation of the Ala-Archa River basin. Alizin, V.B., 1984, p.111-120, rus 39-642
- Tropical glaciers: potential for ice core paleoclimatic reconstructions. Thompson, L.G., et al, 1984, p.4638-4646, eng 39-799
- Glaciers of Bylot Island: a window on the past. Bélanger, J.R., et al, 1983, p.10-13, fre 39-781
- Glaciers of China. Huang, J., 1984, p.85-93, chi 39-937
- Satellite glaciology of Iceland. Williams, R.S., Jr., 1982, p.3-12, eng 39-984
- Margins of Gjödfurajökull and the chronology of recent deglaciation. Caseldine, C.J., 1982, p.111-118, eng 39-988
- Notes on ice in the hydrosphere. Reinwarth, O., 1982, p.259-265, ger 39-1213
- Wurtenkees in the Goldberg group (Hohe Tauern)—a glacier of "anomalous" behavior. Böhm, R., 1982, p.270-272, ger 39-1214
- Study of Quaternary glaciation in Mts. Tomur-Hantengri area, Tian Shan. Shi, Y., et al, 1984, p.1-14, chi 39-1535
- Avalanches and glacier at Hailougou in the Mt. Gongga. Wang, Y., et al, 1984, p.37-44, chi 39-1538
- Preliminary observation on neoglaciation in Qilian Mountains. Wu, G., 1984, p.53-60, chi 39-1540
- Glaciation in Lushan and mudflow in the Jiangxi Province. Wang, H., et al, 1984, p.89-91, chi 39-1545
- Glaciers and rock glaciers in the southern French Alps. Evin, M., et al, 1983, p.27-41, fre 39-1631
- Climatic changes and Lewis Glacier, Mount Kenya. Kraus, P., 1983, p.43-60, eng 39-1632
- Radio-echo-sounding of firn, ice and permafrost. Haeblerli, W., et al, 1983, p.61-72, eng 39-1633
- Glaciation of the Cotopaxi, Ecuador. Jordan, E., 1983, p.73-102, eng 39-1634
- Glaciological work in 1983. Liestøl, O., 1984, p.35-45, eng 39-1839
- New map "Nördliches Bockarkaree 1979": 1:100,000. Slupetzky, H., et al, 1983, p.163-171, eng 39-1966
- Glaciers of the Austrian Alps, 1982-1983. Patzelt, G., 1983, p.173-188, eng 39-1967

- Glacier surveys in Pasterze (Glockner Group), 1983. Wakonig, H., [1983, p.189-194, eng] 39-1968
- International Karakoram Project. Miller, K.J., ed, [1984, 2 vols, eng] 39-2296
- Some studies of the Batura glacier in the Karakoram Mountains. Shi, Y., et al, [1984, p.51-63, eng] 39-2299
- Distribution of glaciers on the Qinghai-Xizang Plateau and its relationship to atmospheric circulation. Li, J., et al, [1984, p.84-93, eng] 39-2302
- Techniques for the study of glacial fluctuations. Perrott, F.A., et al, [1984, p.94-100, eng] 39-2303
- Survey and analysis systems for the Vatnajökull ice-depth sounding expedition. Bishop, J.F., et al, [1984, p.101-110, eng] 39-2304
- Special techniques for surveying on moving terrain. Walton, J.L.W., [1984, p.186-195, eng] 39-2309
- Variations of the Batura Glacier's surface from repeated surveys. Chen, J., [1984, p.196-204, eng] 39-2310
- Glacier inventory and annual runoff, SE Ellesmere Island. Kraus, P., [1983, 101p., eng] 39-2467
- Glacier mass balance measurements. Roots, E.F., [1984, p.165-167, eng] 39-2500
- Glacial and postglacial sediments, Calgary area, Alberta. Proudfoot, D.N., et al, [1982, 159p., eng] 39-2567
- Airborne radio echo sounding of sub-polar glaciers in Spitsbergen. Dowdeswell, J.A., et al, [1984, 41p., eng] 39-3388
- Contribution of ice core studies to the understanding of environmental processes. Oeschger, H., [1985, p.9-17, eng] 39-3561
- Bore-hole survey at Dye 3, south Greenland. Gundestrup, N.S., et al, [1984, p.282-288, eng] 39-3776
- Glacier thickness**
- Glacier flexure and the position of grounding lines: measurements by tiltmeter on Rutford Ice Stream, Antarctica. Stephenson, S.N., [1984, p.165-169, eng] 39-192
- Radio echo-sounding of Spitsbergen glaciers: problems in the interpretation of layer and bottom returns. Dowdeswell, J.A., et al, [1984, p.16-21, eng] 39-237
- Proceedings of the Fourth Symposium on Antarctic Geosciences, 1983. Nagata, T., ed, [1984, 240p., eng] 39-1085
- Ice thickness on cirque glaciers in the Yamato Mountains. Nagao, T., et al, [1984, p.9-16, eng] 39-1086
- Some observations on glacier surges with notes on the Rostin Glacier, East Greenland. Colvill, A.J., [1984, p.64-75, eng] 39-2300
- Survey and analysis systems for the Vatnajökull ice-depth sounding expedition. Bishop, J.F., et al, [1984, p.101-110, eng] 39-2304
- Electronic design and performance of an impulse radar ice-depth sounding system used on the Vatnajökull ice-cap, Iceland. Cumming, A.D.G., et al, [1984, p.111-125, eng] 39-2305
- Results of impulse radar ice-depth sounding on the Vatnajökull ice-cap, Iceland. Bishop, J.F., et al, [1984, p.126-134, eng] 39-2306
- Ice depth radio echo-sounding techniques employed on the Hispar and Ghulkin Glaciers. Oswald, G.K.A., [1984, p.86-99, eng] 39-2316
- Impulse radar ice-depth sounding on the Hispar Glacier. Dong, Z.B., [1984, p.100-110, eng] 39-2317
- Impulse radar ice-depth sounding of the Ghulkin glacier. Francis, M.R., et al, [1984, p.111-123, eng] 39-2318
- Recent changes of some glaciers of East Swartisen, Norway. Knudsen, N.T., et al, [1984, p.367-380, eng] 39-2565
- Radar measurement of glacier thickness. Ding, Y., et al, [1984, p.157-160, eng] 39-3369
- Airborne radio echo sounding of sub-polar glaciers in Spitsbergen. Dowdeswell, J.A., et al, [1984, 41p., eng] 39-3388
- Gravimetric measurement of glacier thickness in Tian Shan. Zeng, Z., [1984, p.31-38, chj] 39-3515
- Experiment on radio-echo sounding of a mountain glacier. Huang, Y., et al, [1980, p.37-39, chj] 39-3699
- See also: Ice cover thickness
- Glacier tongues**
- Glacier surveys in Pasterze (Glockner Group), 1983. Wakonig, H., [1983, p.189-194, eng] 39-1968
- Recent fluctuations in some glaciers of the Western Karakoram Mountains, Hunza, Pakistan. Goudie, A.S., et al, [1984, p.411-455, eng] 39-2320
- Glacier variations**
- See: Glacier oscillation
- Glaciers**
- Landfast images of Antarctica. Hoppe, P., et al, [1981, p.637-647, eng] 39-1531
- Lichen-free zones as neoglaciation indicators on western Melville Island, District of Franklin. Edlund, S.A., [1983, p.709-712, eng] 39-2335
- See also: Cirque glaciers; Mountain glaciers; Rock glaciers
- Glaciology**
- Satellite glaciology project. Williams, R.S., Jr., et al, [1983, p.119-121, eng] 39-15
- Orthophotographic map of Vernagtferner, Austria. Rentsch, H., [1983, p.85-91, ger] 39-50
- Reconstruction of the glacial ice covers of Greenland and the Canadian Arctic islands by three-dimensional, perfectly plastic ice-sheet modelling. Reeh, N., [1984, p.115-121, eng] 39-184
- Developments in antarctic glaciology. Kotliakov, V.M., [1984, p.137-154, eng] 39-554
- Publications, reports and theses in geotechnical science. No.10, [1981, 18p., eng] 39-619
- Geomorphological research on Cevedale Mt, Italy. [1983, p.56-60, fre] 39-620
- Satellite glaciology of Iceland. Williams, R.S., Jr., [1982, p.3-12, eng] 39-984
- Filchner-Ronne Ice Shelf programme, Report 1 (1984). Kohnen, H., comp, [1985, 38p., eng] 39-1528
- Bibliography of glaciology and cryopedology in China, 1820-1982. [1984, 208p., chj] 39-1616
- Some recent technological advances applied to problems in earth sciences. Miller, K.J., [1984, p.12-38, eng] 39-2297
- Eighteenth Assembly of the IUGG on hydrology and glaciology. Kotliakov, V.M., et al, [1984, p.3-7, rus] 39-2765
- Glossary of glaciology. Kotliakov, V.M., et al, [1984, 528p., rus] 39-3641
- Bibliography of northern Mackenzie area and Yukon, Canada. Goodwin, C.R., ed, [1984, 310p., eng] 39-3897
- Publications of the C.N.R.S., Center for Geomorphology, Caen. Lauridou, J.P., [1985, 3p. + 7p. of bibliography, fre] 39-3900
- Quaternary and present environments of northeastern Canada. Jacobs, J.D., et al, [1985, p.26-68, eng] 39-3932
- Ross Ice Shelf geophysical and glaciological survey (RIGGS). Bentley, C.R., [1984, p.1-20, eng] 39-4029
- Glaciological studies on the Ross Ice Shelf, 1973-1978. Thomas, R.H., et al, [1984, p.21-53, eng] 39-4030
- Glaze**
- Short-range forecasting of meteorological conditions for icing of aircraft on the ground and of the runway at Sofia airport. Martinov, M.I., et al, [1983, p.42-47, eng] 39-589
- KO-601 ice removing equipment for roads. Izotov, E.N., et al, [1984, p.23-24, rus] 39-829
- Using the model of a horizontally-inhomogeneous boundary layer for evaluating parameters of ice deposits. Ivanova, L.A., [1984, p.14-21, rus] 39-1135
- Formulas for calculating first and last icings in the season. Guliaev, I.U.N., [1984, p.33-38, rus] 39-2250
- Distribution of icing load over the USSR. Zakharov, A.G., [1984, p.87-93, rus] 39-2376
- Adhesion of rime and glaze on conductors protected by various materials. Phan, C.L., et al, [1977, p.204-208, eng] 39-2717
- Radar meteorology. Stepanenko, V.D., ed, [1984, 211p., rus] 39-2847
- Wind velocities during ice-hoarfrost precipitation over the USSR. Borisov, M.M., et al, [1984, p.205-209, rus] 39-2850
- Ultrasonic version of an ice-removing machine. Ermilov, A., [1985, p.12-13, rus] 39-2884
- Frost resistant substances for seam-grouting at airports. Bobrov, G., [1985, p.36-37, rus] 39-3261
- Operation of mechanical equipment in cold regions. Polonskii, G.A., [1985, p.418-426, eng] 39-3816
- Gold**
- Mechanical, fluvial and biogenic migration of gold in permafrost. Talaev, T.T., et al, [1985, p.61-70, rus] 39-3357
- Grain size**
- Ice strength in relation to grain size at high temperatures. Schulson, E.M., [1984, p.1439-1442, eng] 39-1647
- Tensile strength of ice as a function of grain size. Currier, J.H., et al, [1982, p.1511-1514, eng] 39-1657
- Effect of grain size on the compressive strength of ice. Schulson, E.M., et al, [1984, p.29-38, eng] 39-1753
- Fine grain model ice. Enkvist, E., et al, [1984, p.217-227, eng] 39-1805
- Effect of particle size on ice nucleation. Prodi, F., et al, [1982, p.945-952, eng] 39-2214
- Grain size and the compressive strength of ice. Cole, D.M., [1985, p.220-226, eng] 39-2416
- Froude number paradoxes in the modeling of a snowdrift. Anno, Y., [1985, p.191-192, eng] 39-2561
- Method for predicting frost heave of buried pipelines. Nixon, J.F., [1984, p.55-59, eng] 39-3048
- Influence of grain-size constituent on frost heave in fine sand. Wang, Z., [1980, p.24-28, chj] 39-3697
- Superplasticity owing to grain growth in polar ice. Duval, P., et al, [1985, p.60-62, eng] 39-3726
- Grain-size characteristics of quaternary sediments, Baffin Island region. Andrews, J.T., [1985, p.124-153, eng] 39-3934
- Grasses**
- Increasing economic efficiency of the intensification of fodder plant production in northern Europe. Podopolev, V.P., ed, [1983, 98p., rus] 39-26
- Effectiveness of grassland establishment in tundra. Kotlina, N.S., et al, [1983, p.47-57, rus] 39-27
- All-Union conference "Vegetational cover of Subarctic highlands and problems of Arctic-Alpine floristic bonds", Khibiny, July 10-15, 1984. Summaries. [1984, 113p., rus] 39-503
- Extrazonal vegetation in the Byrranga Mountains (Arctic Taymyr Peninsula). Rapota, V.V., [1984, p.27-28, rus] 39-511
- Floristic saturation in the Alpine tundra communities of the Khibiny Mountains. Konstantinova, N.A., [1984, p.61-62, rus] 39-520
- Grass seeding tests in the Mackenzie Delta region. N.W.T. Younkin, W.E., et al, [1976, 59p., eng] 39-729
- Effect of soil and vegetation removal on soil temperature regime in quarries. Vasil'ev, I.M., et al, [1980, p.20-24, rus] 39-751
- Biogenic accumulation of nitrogen in plants of tundra zone (exemplified by the ecosystems of Bol'shezemel'skaya tundra). Grunina, L.K., et al, [1984, 32p., rus] 39-1396
- Investigations of the forestry research station of the Academy of Sciences of the USSR. Vomperskii, S.E., ed, [1984, 173p., rus] 39-1412
- Studying taiga vegetation in the Severnaya research station. Orlov, A.I.A., [1984, p.36-57, rus] 39-1414
- Plant communities of alpine tundra. Chastukhina, S.A., [1984, p.1363-1370, rus] 39-1567
- Agrophytocenotic aspects of grass sowing in permafrost areas. Denisov, G.V., [1984, 250p., rus] 39-1950
- Photosynthetic productivity and carbohydrate accumulation of grasses in tundra agroecosystems. Shvetsova, V.M., et al, [1984, p.197-201, rus] 39-2664
- Ages of mature tussocks of cotton sedge, central Alaska. Mark, A.F., et al, [1985, p.1-5, eng] 39-2673
- Water regime of cryogenic chernozem-meadow soils of Yakutia. Semenova, T.N., [1984, p.61-65, rus] 39-3025
- Irrigation scheduling for annual grasses in the Magadan area. Lomakin, M.V., [1984, p.53-55, rus] 39-3257
- Grass cenoses in recultivated forests of southern Kuzbass ecosystems. Logua, M.T., [1985, p.93-100, rus] 39-3632
- Gravel**
- See: Snow pellets
- Gravel**
- Frost heaving of multigraded soils. Johansson, H.G., [1984, p.95-98, eng] 39-147
- Shungite-cellular concretes for the North. IAsin, I.U.D., et al, [1984, p.15-16, rus] 39-792
- Maintenance of gravel roads in northern countries. Johansson, A., et al, [1984, 96p., fin] 39-1037
- API bulletin on planning, designing, and constructing fixed offshore structures in ice environments. [1982, 49p., eng] 39-1383
- Excavators for frozen loam containing gravel. Sokolov, L.K., et al, [1984, p.17-18, rus] 39-1832
- Hydrophobic solutions for preventing naled formation on gravel-topped roads. Turgunbaev, A.T., et al, [1984, p.8-9, rus] 39-2862
- Strength and deformation behavior of frozen saline sand and gravel. Mahar, L.J., et al, [1985, p.557-565, eng] 39-3204
- Shapes and features of glaciogenic gravels. Li, J., et al, [1984, p.27-29, chj] 39-3514
- Mountain mudflows in Lushan, China. Deng, X., [1984, p.97-90, chj] 39-3521
- Gravimetric prospecting**
- Ice thickness on cirque glaciers in the Yamato Mountains. Nagao, T., et al, [1984, p.9-16, eng] 39-1086
- Gravity**
- Experimental gravity measurements on shelf ice. Lindner, K., [1984, p.186-187, ger] 39-1027
- Sea gravimeter of the icebreaker Shirase. Segawa, J., et al, [1984, p.48-60, eng] 39-1088
- Gravity tides on the Filchner Ice Shelf. Eckstaller, A., et al, [1985, p.58-59, eng] 39-2806
- Gravity anomalies**
- Topography at Showa Station based on gravity measurements. Nagao, T., [1984, p.20-29, jpn] 39-549
- Grazing**
- Structure of lichen biomass in tundras of the Northeast. Polezhaev, A.N., [1981, p.109-110, rus] 39-79
- Upper forest lines in the Subarctic as indices of ecologic parameters of the biosphere. Kriuchkov, V.V., [1984, p.13-14, rus] 39-506
- Biomass of high-altitude plants in Altai-Sayany mountains. Sedel'nikov, V.P., [1985, p.87-91, rus] 39-3014
- Great Lakes**
- Great Lakes Ice Research Workshop, Columbus, OH, 1983. [1984, 78p., eng] 39-480
- Great Lakes winter weather and ice conditions for 1982-83. Aasel, R.A., et al, [1984, 35p., eng] 39-2888
- Great Lakes harbor and its design for ice conditions. Wortley, C.A., [1984, 227p., eng] 39-3034
- Great Lakes winter weather and ice conditions. Aasel, R.A., et al, [1985, p.291-303, eng] 39-3391
- Great Lakes hydrologic forecast models. Gauthier, R.L., et al, [1985, p.1129-1140, eng] 39-3706

Greece

—Athens

- Synoptic consideration of snowfall in Athens. Prezerakos, N.G., et al., [1984, p.269-285, eng] 39-1999

Greenhouses

- Greenhouses with foundations on permafrost. Shchelokov, V.K., et al., [1984, p.185-188, eng] 39-3810

Greenland

- Temporal variations in the 10 Be concentration levels found in the Dye 3 ice core, Greenland. Beer, J., et al., [1984, p.16-17, eng] 39-165
- Measurement of surface deformation of the Greenland ice sheet by satellite tracking. Drew, A.R., et al., [1984, p.51-55, eng] 39-172
- Statistical-dynamical model of accumulation on the Greenland ice sheet. Keen, R.A., [1984, p.69-74, eng] 39-175
- Reconstruction of the glacial ice covers of Greenland and the Canadian Arctic islands by three-dimensional, perfectly plastic ice-sheet modelling. Reeh, N., [1984, p.115-121, eng] 39-184
- Lake sediments as continental delta O-18 records from the glacial/post-glacial transition. Siegenthaler, U., et al., [1984, p.149-152, eng] 39-189
- Ice flow leading to the deep core hole at Dye 3, Greenland. Whillans, I.M., et al., [1984, p.185-190, eng] 39-196
- Calculating borehole geometry. Jezek, K.C., et al., [1984, p.18p., eng] 39-475
- Observation of diatoms in Greenland ice. Gayley, R.I., et al., [1984, p.172-173, eng] 39-714
- Hydrological data-model work in Greenland. Thomsen, T., et al., [1984, p.39-56, eng] 39-816
- Microthermal observations in Arctic vegetation. Hansen, K., [1973, 32p., eng] 39-952
- Secondary stress within the structural frame of DYE-3: 1978-1983. Ueda, H., et al., [1984, 44p., eng] 39-1138
- Application of a numerical sea ice model to the East Greenland area. Tucker, W.B., [1982, 40p., eng] 39-1268
- Hydrological measuring and data transmission in Greenland. Thomsen, T., [1984, p.1.51-1.69, eng] 39-1282
- Basal sliding relations deduced from ice-sheet data. Morland, L.W., et al., [1984, p.131-139, eng] 39-1668
- Developing a water well for the ice backfilling of DYE-2. Rand, J.H., [1982, 19p., eng] 39-1730
- Borehole geometry on the Greenland and Antarctic ice sheets. Jezek, K.C., [1985, p.242-251, eng] 39-1749
- Airborne microwave measurements of the southern Greenland ice sheet. Swift, C.T., et al., [1985, p.1983-1994, eng] 39-1912
- Measurements of hydrogen peroxide in polar ice samples. Neftel, A., et al., [1984, p.43-45, eng] 39-2355
- Studies of glacier behaviour and glacier mass balance in Greenland—a review. Weidick, A., [1984, p.183-195, eng] 39-2502
- Iceberg conditions offshore Greenland. Mangor, K., et al., [1983, p.4-20, eng] 39-2523
- Observation of variations in the composition of sea ice in the Greenland MIZ during early summer 1983 with the NIMBUS-7 SMMR. Gloersen, P., et al., [1984, p.373-378, eng] 39-2541
- Experimental observations of periglacial processes in the Arctic. Jahn, A., [1985, p.17-35, eng] 39-2692
- Climatic and physical characteristics of the Greenland ice sheet. Radok, U., et al., [1982, 193p. + append., + maps, eng] 39-2710
- New records of terricolous microlichens from Southeast Greenland. Daniëls, F.J.A., et al., [1985, p.49-57, eng] 39-2724
- Tabular icebergs off Nordostrundingen, North East Greenland. Massom, R., [1984, p.11-16, eng] 39-2834
- Radio echo sounding of inland ice near Disko Bay, Greenland, 1984. Thomsen, H.H., et al., [1985, 20p., eng] 39-2843
- Studying climatic change from Canadian High Arctic ice cores. Koerner, R.M., et al., [1981, p.195-218, eng] 39-3282
- Greenland ice core: geophysics, geochemistry, and the environment. Langway, C.C., Jr., ed., [1985, 118p., eng] 39-3559
- Greenland Ice Sheet Program in perspective. Langway, C.C., Jr., et al., [1985, p.1-8, eng] 39-3560
- Contribution of ice core studies to the understanding of environmental processes. Oeschger, H., [1985, p.9-17, eng] 39-3561
- Battery powered, instrumented deep ice core drill for liquid filled holes. Gundestrup, N.S., et al., [1985, p.19-22, eng] 39-3562
- Ultrasonic velocities and crystalline anisotropy in ice core. Herron, S.L., et al., [1985, p.23-31, eng] 39-3563
- Measurements of a kind of DC-conductivity on cores from Dye 3. Neftel, A., et al., [1985, p.32-38, eng] 39-3564
- Mechanical properties of fresh ice core from Dye 3, Greenland. Shoji, H., et al., [1985, p.39-48, eng] 39-3565

- Bedrock topography of the Greenland ice sheet in the Dye 3 area. Overgaard, S., et al., [1985, p.49-56, eng] 39-3566

- Dating the Dye 3 deep ice core by flow model calculations. Reeh, N., et al., [1985, p.57-65, eng] 39-3567

- Be-10 variations in polar ice cores. Beer, J., et al., [1985, p.66-70, eng] 39-3568

- Dating and climatic interpretation of two deep Greenland ice cores. Dansgaard, W., et al., [1985, p.71-76, eng] 39-3569

- Chemical composition of ice core from Dye 3, Greenland. Herron, M.M., et al., [1985, p.77-84, eng] 39-3570

- CO₂ concentration in air extracted from Greenland ice samples. Stauffer, B., et al., [1985, p.85-89, eng] 39-3571

- Continuous impurity analysis along the Dye 3 deep core. Hammer, C.U., et al., [1985, p.90-94, eng] 39-3572

- Fallout from the atmosphere in the Arctic and Antarctic. Koide, M., et al., [1985, p.95-100, eng] 39-3573

- Present status and future of lead studies in polar snow. Patterson, C.C., et al., [1985, p.101-104, eng] 39-3574

- Geophysics of subglacial geology at Dye 3, Greenland. Jezek, K.C., et al., [1985, p.105-110, eng] 39-3575

- Steady-state prediction of Dye 3 core features. McInnes, B., et al., [1985, p.111-117, eng] 39-3576

- Heat balance of the Greenland ice sheet. Ambach, W., [1985, p.3-12, eng] 39-3718

- Bore-hole survey at Dye 3, south Greenland. Gundestrup, N.S., et al., [1984, p.282-288, eng] 39-3776

- Quaternary environments of eastern Canadian Arctic and W. Greenland. Andrews, J.T., ed., [1985, 774p., eng] 39-3931

—Jakobshavn

- Mass balance of Greenland inland ice near Jakobshavn. Thomsen, H.H., [1984, p.37-41, eng] 39-3375

—Jakobshavn Glacier

- Jakobshavn Glacier drainage basin: a balance assessment. Bindschadler, R.A., [1984, p.2066-2072, eng] 39-678

—Johan Dahl Land

- Drainage of a marginal ice-dammed lake in S. Greenland. Clement, P., [1984, p.209-216, eng] 39-719

—Roslin Glacier

- Some observations on glacier surges with notes on the Roslin Glacier, East Greenland. Colvill, A.J., [1984, p.64-75, eng] 39-2300

Greenland Sea

- East Greenland Sea ice variability in large-scale model simulations. Walsh, J.E., et al., [1984, p.9-14, eng] 39-362

- Sea ice structure of Greenland Sea. Simon, T., [1983, p.47-66, frej] 39-722

- Marginal ice zone experiment. [1984, p.22-27, eng] 39-2276

- Surface based brightness temperatures of sea ice in the Bering and Greenland seas. Grenfell, T.C., [1984, p.385-389, eng] 39-2543

- Thermohaline circulation in the Arctic mediterranean seas. Aagaard, K., et al., [1985, p.4833-4846, eng] 39-3430

- Ice edge eddy dynamics in the East Greenland Current. Cowan, A.M., et al., [1985, p.1945-1954, eng] 39-3714

- Oceanographic cruise to the Greenland Sea, Aug.-Sep. 1984. Bourke, R.H., et al., [1985, 28p. + charts, eng] 39-3896

Ground effect machines

- See: Air cushion vehicles

Ground freezing

- See: Soil freezing

Ground ice

- Blast waves in frozen soils. Liakhov, G.M., et al., [1984, p.811-815, eng] 39-153

- Compressive strength of frozen silt. Zhu, Y., et al., [1984, p.3-15, eng] 39-327

- Field dielectric measurements of frozen silt using VHF pulses. Arcone, S.A., et al., [1984, p.29-37, eng] 39-329

- Dielectric measurements of frozen silt using time domain reflectometry. Delaney, A.J., et al., [1984, p.39-46, eng] 39-330

- Effect of temperature changes on salt transport in ground water. Konosavskii, P.K., [1984, p.63-66, rus] 39-420

- Recent glaciation of the Ala-Archa River basin. Atzin, V.B., [1984, p.111-120, rus] 39-642

- Near-surface ground ice in Arctic Alaska. Outcalt, S.I., [1982, p.123-147, eng] 39-660

- Cryogenic processes and phenomena in Siberia. Nekrasov, I.A., ed., [1984, 164p., rus] 39-832

- Seismic effect of detonating explosives in permafrost. Glozman, L.M., et al., [1984, p.40-45, rus] 39-961

- Ice segregation and frost heaving. [1984, 72p., eng] 39-1042

- Shore and lake bottom formation in permafrost areas. Shirokov, V.M., [1984, p.10-26, rus] 39-1417

- Lake shore erosion in the Far North. Gogolev, E.S., et al., [1984, p.42-45, rus] 39-1594

- Effects of ice content on the transport of water in frozen soils. Nakano, Y., et al., [1984, p.28-34, eng] 39-1945

- Effects of ice content on the transport of water in frozen soil. Nakano, Y., et al., [1984, p.58-66, eng] 39-1946

- Thermally induced regelation: a qualitative discussion. Miller, R.D., [1984, p.61-63, eng] 39-2128

- Perspective on the distribution of subsea permafrost on the Canadian Beaufort Continental Shelf. Blasco, S.M., [1984, p.83-86, eng] 39-2132

- Geophysical Techniques for subsea permafrost investigations. Hunter, J.A.M., [1984, p.88-89, eng] 39-2133

- Effects of variations in the latent heat of ice fusion in soils on interaction of boreholes with permafrost. Anisimov, M.A., et al., [1984, p.200-203, eng] 39-2156

- Cryogeothermal problems in the study of the Arctic Ocean. Neizvestnov, I.A.V., et al., [1984, p.273-277, eng] 39-2171

- Ice wedges and permafrost near King Point, Yukon Territory. Harry, D.G., et al., [1985, p.111-116, eng] 39-2327

- Formation of ice layer continuously segregated in soil freezing. Takeda, K., et al., [1984, p.179-187, jpn] 39-2475

- Relic Pleistocene glacier ice on Victoria Land, Canada. Lorrain, R.D., et al., [1985, p.89-98, eng] 39-2674

- Ice factor in frozen ground. Gold, L.W., [1985, p.74-95, eng] 39-2695

- Step function model of ice segregation. Outcalt, S.I., [1985, p.121-132, eng] 39-2697

- Recent observations on the deformation of ice and ice-rich permafrost. Morgenstern, N.R., [1985, p.133-153, eng] 39-2698

- Periglacial problems. Washburn, A.L., [1985, p.166-202, eng] 39-2700

- Investigation of freezing soils using Time Domain Reflectometry. Smith, M.W., et al., [1981, 54p., eng] 39-2704

- Palsas and permafrost distribution in the Northern Hemisphere. Dionne, J.C., [1984, p.165-184, fre] 39-2721

- New broader classification of natural ice. Vtiurin, B.I., et al., [1984, p.93-104, rus] 39-2772

- Offshore arctic geotechnical engineering. Corwin, R.F., [1985, p.137-143, eng] 39-3167

- Properties of frozen marine soils. Stuckert, B.J.A., et al., [1985, p.575-583, eng] 39-3206

- Pile creep designs for frozen layered profiles. Neukirchner, R.J., [1985, p.1103-1111, eng] 39-3246

- Exploration of a rigid ice model of frost heave. O'Neill, K., et al., [1985, p.281-296, eng] 39-3276

- Permafrost and ground ice investigations, Mayo, Interior Yukon. French, H.M., et al., [1984, 78p., eng] 39-3279

- Polygon-veins along the Qinghai-Xizang highway. Liang, F., et al., [1984, p.49-60, chi] 39-3320

- Model of frost heave and ice lensing including overburden pressure. Frost, S.R., [1984, p.13-18, eng] 39-3409

- Melting of ice in a porous medium. Anisimov, M.A., et al., [1984, p.83-88, rus] 39-3548

- Arctic foundation selection: a decision matrix. LaVieille, C., et al., [1985, p.1-14, eng] 39-3579

- Shear strength characteristics of frozen coarse granular debris. Nickling, W.G., et al., [1984, p.348-357, eng] 39-3786

See also: Ice lenses; Ice veins; Ice wedges

Ground temperature

- See: Soil temperature

Ground thawing

- Heat transfer between pipelines and permafrost. Gokhman, M.R., [1984, p.243-247, eng] 39-152

- Changes in hydrogeological conditions caused by pipeline construction on permafrost. Stepanova, S.G., [1984, p.3-10, rus] 39-408

- Mobility of Ca and Na in freezing-thawing grounds. Zolotareva, B.N., et al., [1984, p.58-62, rus] 39-419

- Peculiarities of thawing ground compression under dynamic loads. Inozemtsev, V.K., [1984, p.148, rus] 39-920

- Feasibility study of permafrost thawing regime by electric heaters. Maksimenko, E.S., [1984, p.34-36, eng] 39-1077

- Halos of stones. Weisburd, S., [1985, p.42-44, eng] 39-1275

- Design and performance of water-retaining embankments in permafrost. Sayles, F.H., [1984, p.31-42, eng] 39-2124

- Hot-oil and chilled-gas pipeline interaction with permafrost. Mathews, A.C., [1984, p.101-105, eng] 39-2137

- Pipeline workpads in Alaska. Metz, M.C., [1984, p.106-108, eng] 39-2138

- Performance of the trans-Alaska oil pipeline. Johnson, E.R., [1984, p.109-111, eng] 39-2139

- Engineering geocryology in the USSR: a review. Vialov, S.S., [1984, p.177-185, eng] 39-2152

- Thermal regime of permafrost soils in the USSR. Gavrilova, M.K., (1984, p.226-230, eng) 39-2162
- Laws governing the compaction of thawing soils taking dynamic processes into effect. Karlov, V.D., et al., (1984, p.231-235, eng) 39-2163
- Thermal interaction between pipelines and the environment. Krivoshein, B.L., (1984, p.242-247, eng) 39-2165
- Deformation of freezing, thawing, and frozen rocks. Lebedenko, I.U.P., et al., (1984, p.248-252, eng) 39-2166
- Investigation of the deformation of clayey soils resulting from frost heaving and thawing in foundations due to loading. Malyshev, M.A., et al., (1984, p.259-263, eng) 39-2168
- Application of microwave energy for accelerating excavation in frozen soil. Misnick, I.U.M., et al., (1984, p.268-272, eng) 39-2170
- Investigations into the compaction of thawing earth materials. Pakhomova, G.M., (1984, p.278-281, eng) 39-2172
- Electrical thawing of frozen soils. Jumikis, A.R., (1984, p.333-337, eng) 39-2181
- Offshore permafrost well design lateral soil movement-induced bending strains. Laut, S.W., et al., (1985, p.47-51, eng) 39-2394
- Centrifuge modelling of underwater permafrost and sea ice. Palmer, A.C., et al., (1985, p.65-69, eng) 39-2397
- Use of plastic fabric for pavement protection during frost break. Andersson, O., (1977, p.143-149, eng) 39-2470
- Restraint of frost heaving and thaw settlement of soil by cement addition. Ohrai, T., et al., (1984, p.189-197, jpn) 39-2476
- Experimental observations of periglacial processes in the Arctic. Jahn, A., (1985, p.17-35, eng) 39-2692
- Experimental observations of differential heaving and thaw settlement around a chilled pipeline. Dallimore, S.R., et al., (1984, p.5-17, eng) 39-3039
- Frost heave and thaw settlement test facilities. Carlson, L.E., (1984, p.43-47, eng) 39-3046
- Production well through sediments containing gas hydrates. Wittebolle, R.J., et al., (1985, p.178-184, eng) 39-3170
- Route thaw settlement: a probabilistic evaluation. Vita, C.L., (1985, p.439-446, eng) 39-3193
- Pipeline hardware: special designs for Arctic projects. Key, J.M., (1985, p.801-811, eng) 39-3225
- Thaw settlement as a result of permafrost deterioration. Sargent, D.R., (1985, p.1075-1083, eng) 39-3243
- Thermal regimes for freezing and thawing of moist soils. Civan, F., et al., (1985, p.407-410, eng) 39-3277
- Offshore permafrost well design lateral soil movement-induced bending strains. Laut, S.W., et al., (1985, p.195-198, eng) 39-3289
- Calculating optimal amounts of drilling fluids for thawing rocks. Sedov, V.T., (1985, p.13-15, rus) 39-3298
- Stability of main pipelines built under complicated conditions. Klement'ev, A.F., (1985, 113p., rus) 39-3314
- Greenhouses with foundations on permafrost. Shchelokov, V.K., et al., (1984, p.185-188, eng) 39-3810
- Evaluation of accuracy of laboratory compression tests on thawing soils. Ponomarev, V.D., (1984, p.220-222, eng) 39-3814
- Year-round pipeline construction in northern swamps. Bessarab, V.V., et al., (1985, p.40, rus) 39-3996
- Hydraulic potential below frozen ground. Pikul, J.L., Jr., et al., (1985, p.164-168, eng) 39-4053
- Ground water**
- Formation and geological activity of ground waters in eastern Siberia. Pinneker, E.V., et al., (1982, p.105-112, rus) 39-35
- Natural salt extracts and their value for prospecting in permafrost areas. Kokin, A.V., (1984, p.37-44, rus) 39-317
- Preventing the freezing of artesian wells. Ritus, V.I., et al., (1984, p.56-57, rus) 39-427
- Regularities governing the formation of chemical composition of ground waters in the Udokan Range. Beliaikov, A.E., et al., (1984, p.71-76, rus) 39-842
- On the classification of ground water in the permafrost area in Qilian Shan. Guo, P., (1984, p.79-84, chi) 39-936
- Isotopic tracing of melt-water in the soil and estimation of groundwater recharge. Saxena, R.K., et al., (1984, p.569-584, eng) 39-1296
- Control of ground and groundwater for shaft sinking. Ferguson, G.A., et al., (1984, p.7-12, eng) 39-3408
- Effect of ground water in soil formation, Saskatchewan. Miller, J.J., et al., (1985, p.293-307, eng) 39-3584
- Experimental research of frost heave under different level of groundwater in various soils. Wang, S., (1980, p.40-45, chi) 39-3700
- Protecting foundations of buildings and structures from adverse effects of ground water. Degtiarev, B.M., et al., (1985, 264p., rus) 39-3702
- See also: Soil water; Subpermafrost ground water; Suprapermafrost ground water; Water table
- Grounded ice**
- Interactions between polar ice streams and the sea. Lingle, C.S., (1984, p.3523-3549, eng) 39-256
- Grounded rubble fields adjacent to offshore structures. Sayed, M., et al., (1984, p.11-17, eng) 39-1618
- Interactions between ice shelves and earth. Lingle, C.S., et al., (1985, p.1100-1114, eng) 39-2364
- Grounding and scouring icebergs on the Labrador Shelf. Woodworth-Lynas, C.M.T., et al., (1984, p.13-20, eng) 39-2529
- Iceberg grounding and scouring on the Labrador Continental Shelf. Woodworth-Lynas, C.M.T., et al., (1985, p.163-186, eng) 39-2559
- Ice as a construction material in the offshore Arctic. Duthweiler, F.C., et al., (1985, p.634-642, eng) 39-3211
- Rubble-protected drilling systems developments. Graham, B.W., et al., (1984, p.113-125, eng) 39-3475
- Grounded ice pads as drilling bases in the Beaufort Sea. Kemp, T.S., (1984, p.175-186, eng) 39-3480
- Rubble protection—an alternative for arctic exploration. Potter, R.E., et al., (1984, p.221-236, eng) 39-3483
- Correlation between an ice ridge and sea bed geologic boundary. Barnes, P.W., et al., (1985, p.169-184, eng) 39-3763
- Mass balance of a portion of the Ross Ice Shelf. Jezek, K.C., et al., (1984, p.381-384, eng) 39-3793
- Grounding**
- See: Electrical grounding
- Grouting**
- Building failure during thawing of grouted panel joints. Shapiro, G.A., et al., (1984, p.20-22, rus) 39-830
- Construction of large panel buildings in freezing weather. Shishkin, A.A., (1984, p.18-19, rus) 39-831
- Construction of small and medium size bridges with all-sectional columnar supports. Blinkov, L.S., (1984, p.20-21, rus) 39-1168
- Shear stresses at metal-concrete and concrete-ground interfaces. Kolin, D.I., et al., (1984, p.27-28, rus) 39-1170
- Review of ground anchor tests and procedures. (1984, 23 leaves, eng) 39-2114
- Assembly of large-panel buildings in freezing weather. Sergeev, D.D., (1985, p.18-19, rus) 39-3737
- High pressure jet technology used in construction. Mosin, V.D., (1984, p.189-192, eng) 39-3811
- Jet technology for soil stabilization. Khasin, M.F., et al., (1984, p.196-199, eng) 39-3812
- Growth**
- Grass seeding tests in the Mackenzie Delta region. N.W.T. Younkin, W.E., et al., (1976, 59p., eng) 39-729
- Guano**
- Carbon dating of plants and guano, and glaciological implications. Hebert, D., (1983, p.64-73, ger) 39-788
- Gullies**
- Man and nature in the BAM zone (environmental protection and the use of natural resources). Vorob'ev, V.V., ed., (1984, 156p., rus) 39-901
- Permafrost and environmental protection of major basins in the Stanovoy highlands. Nekrasov, I.A., et al., (1984, p.46-58, rus) 39-902
- Compilation of maps of water erosion of relief-forming rocks for analyzing and forecasting gully erosion in non-chernozem areas. Liubimov, B.P., (1985, p.62-70, rus) 39-3105
- Construction in paludal loess areas. Gospodinov, D.G., et al., (1985, p.54-60, rus) 39-3619
- Formation of gullies in the Novosibirsk area. Petrova, N.I., (1985, p.60-69, rus) 39-3620
- Hail**
- Hail precipitation: detection and measurement. Waldvogel, A., (1985, p.107-126, ger) 39-2999
- Solid precipitation regime in Argentina and Antarctica. Minetti, J.L., (1984, p.116-128, spa) 39-3946
- Hail clouds**
- Parametric model of hailstorm clouds. Imamdzhonov, Kh.A., (1984, p.14-21, rus) 39-546
- Microphysics of hailstone nucleation and growth. Khorguani, V.G., (1984, 187p., rus) 39-2119
- Radar image of hailstone formation. Abshaev, M.T., (1984, p.109-115, rus) 39-3075
- Hail prevention**
- Microphysics of hailstone nucleation and growth. Khorguani, V.G., (1984, 187p., rus) 39-2119
- Hailstone growth**
- Temperature effects of ice crystal production. Heymsfield, A.J., et al., (1984, p.765-770, eng) 39-145
- Shedding of millimeter sized drops in simulated hail formation. Joe, P.I., (1982, n.p., eng) 39-2009
- Hailstone growth in a moderate hailstorm. Grenier, J.C., et al., (1983, p.1008-1021, eng) 39-2081
- Hailstone structure**
- Studying the aerosol structure of hailstones. Tisov, M.I., et al., (1984, p.88-96, rus) 39-927
- Hailstone growth in a moderate hailstorm. Grenier, J.C., et al., (1983, p.1008-1021, eng) 39-2081
- Hailstones**
- Parametric model of hailstorm clouds. Imamdzhonov, Kh.A., (1984, p.14-21, rus) 39-546
- Radar scattering of hailstones and mixed-phase hydrometeors. Aydin, K., et al., (1984, p.58-66, eng) 39-1249
- Heterogeneous ice nucleation. Gzirishvili, T.G., et al., (1984, 140p., rus) 39-2100
- Microphysics of hailstone nucleation and growth. Khorguani, V.G., (1984, 187p., rus) 39-2119
- Hammers**
- Exhibition of excavation equipment for frozen ground. Riaboshapko, B.I., (1984, p.24-27, rus) 39-132
- Percussion-shattering of perennially frozen rocks. Fedulov, A.I., et al., (1983, p.125-131, rus) 39-422
- Soil compaction by impact. Fedulov, A.I., et al., (1983, 118p., rus) 39-1442
- Erecting pile-drivers on artificially frozen ground. Vialov, S.S., et al., (1984, p.7-10, rus) 39-1830
- Percussion hammer for frozen ground. Artem'ev, K.A., et al., (1984, p.125-127, rus) 39-1980
- Handbooks**
- See: Manuals
- Harbors**
- See: Ports
- Hardening**
- See: Concrete hardening
- Hardness**
- Percussion-shattering of perennially frozen rocks. Fedulov, A.I., et al., (1983, p.125-131, rus) 39-422
- Chloride and freeze thaw deterioration of hardened cement. Fujii, T., et al., (1984, p.209-217, jpn) 39-2489
- See: Ice hardness; Snow hardness
- Haze**
- Arctic haze. Schnell, R.C., ed., (1984, p.359-472, eng) 39-716
- Arctic haze. Shaw, G.E., (1980, p.219-221, eng) 39-1400
- Carbon and aerosol light absorption in the Arctic. Heintzenberg, J., (1982, p.2461-2469, eng) 39-1660
- Radiative properties of the Arctic aerosol. Patterson, E.M., et al., (1982, p.2967-2977, eng) 39-1661
- Heat balance**
- Ablation and heat balance of the Yukikabe snow patch in the Daisetsu mountains, Hokkaido, Japan. Sato, A., et al., (1984, p.122-126, eng) 39-185
- Surface mass transfer and climatic changes. Mokhov, I.I., et al., (1983, p.38-45, eng) 39-377
- Experimental studies of heat budget of very thin sea ice. Ishikawa, N., et al., (1984, p.109-119, jpn) 39-774
- Heat and mass balance observations during the MIZEX 83 drift program. Maykut, G.A., (1984, p.35-46, eng) 39-1128
- Energy balance of tundra, sea surface, glaciers and forests in Arctic. Ohmura, A., (1984, p.221-228, eng) 39-1732
- Energy-budget model of snowmelt in southern and east-central Wisconsin. Aguado, E., (1983, 202p., eng) 39-2007
- Heat content in the surface layers of the Northern Hemisphere oceans. Laevastu, T., (1984, p.107-123, eng) 39-2052
- Annual heat balance of Martian polar caps: Viking observations. Paige, D.A., et al., (1985, p.1160-1168, eng) 39-3365
- Problems of large-scale ocean-atmosphere interaction. Nikolaev, I.U.V., et al., (1984, p.66-70, eng) 39-3670
- Mathematical model for perched block formation. Patterson, E.A., (1984, p.296-301, eng) 39-3778
- See also: Glacier heat balance
- Heat capacity**
- Comparison of Stefan model with two-phase model of coal drying. Lyczkowski, R.W., et al., (1984, p.1157-1169, eng) 39-90
- Transient temperature changes due to increasing CO₂ using simple models. Siegenthaler, U., et al., (1984, p.153-159, eng) 39-190
- Heat capacity of water near solid surfaces. Vučelić, V., et al., (1983, p.371-374, eng) 39-767
- Thermodynamic properties of water in the supercooled region. Leyendekkers, J.V., et al., (1985, p.1440-1453, eng) 39-2509
- Advances in heat pipe technology. (1982, 818p., eng) 39-2907
- Heat conductivity**
- See: Thermal conductivity
- Heat flux**
- Dynamical heat-flux feedbacks and global climate stability. Molnar, G., et al., (1984, p.106-110, eng) 39-182
- Air-ice drag coefficients for first-year sea ice derived from aircraft measurements. Walter, B.A., et al., (1984, p.3550-3560, eng) 39-257
- Measuring accuracy analysis of the heat flux plates. Zhou, Y., et al., (1983, p.77-88, chi) 39-272
- Subglacial heating of water in icebound lakes. Petrov, M.P., (1984, p.88-92, rus) 39-914
- Approximate solution of the Stefan problem on a segment. Gliko, A.O., et al., (1983, p.1450-1455, eng) 39-1084
- Heat fluxes, humidity profiles, and surface humidity. Andreas, E.L., (1982, 18p., eng) 39-1265
- Potential CO₂-induced changes in West Antarctica. (1984, 236p., eng) 39-1498
- Comparison of the snowmelt energy budgets in two alpine basins. Moore, R.D., (1983, p.1-10, eng) 39-1570
- Thermal regime of permafrost soils in the USSR. Gavrilova, M.K., (1984, p.226-230, eng) 39-2162

- Heat flux (cont.)**
- Eddy heat flux measurements in Drake Passage. Nowlin, W.D., Jr., et al., [1985, p.3305-3324, eng] 39-2736
- Thermodynamic coupled ice-ocean model of the marginal ice zone. Röed, L.P., [1984, p.1921-1929, eng] 39-3143
- Energy exchange over antarctic sea ice in the spring. Andreas, E.L., et al., [1985, p.7199-7212, eng] 39-3640
- Measuring thermal performance of building envelopes: nine case studies. Flanders, S.N., [1985, 36p., eng] 39-3958
- Freezing in a pipe with turbulent flow. Albert, M.R., et al., [1983, p.102-112, eng] 39-3963
- See also: Ice heat flux
- Heat loss**
- Calculating heat transfer through walls. Moskalev, A.S., et al., [1984, p.102-105, rus] 39-134
- Heat losses related to structures of heaters. Ral'chuk, N.T., [1984, p.105-109, rus] 39-135
- Bibliography on pipeline insulation and corrosion. [1983, 81p., eng] 39-1515
- Heat losses from underground pipelines. Bau, H.H., [1984, p.2047-2056, eng] 39-1744
- Heat and moisture advection over antarctic sea ice. Andreas, E.L., [1985, p.736-746, eng] 39-3554
- Heat loss factors for insulated building foundations. Zaring, J.P., et al., [1984, 65p., eng] 39-3937
- Heat measurement**
- Measuring the liquid water content of snow. Marbouty, D., et al., [1985, 30p., fre] 39-1722
- Phase transition in hexagonal doped ice. Tajima, Y., et al., [1984, p.1135-1144, eng] 39-2491
- See: Temperature measurement
- Heat pipes**
- Advances in heat pipe technology. [1982, 818p., eng] 39-2907
- Test of a horizontal heat pipe deicing panel for use on marine vessels. Matsuda, S., et al., [1982, p.3-10, eng] 39-2908
- Snow melting using heat pipes. Tanaka, O., et al., [1982, p.11-23, eng] 39-2909
- Heat transfer studies for heat pipe cooling and freezing of ground. Vasil'ev, L.L., et al., [1982, p.63-71, eng] 39-2910
- Thermodynamic analysis of heat pipe operation. Vasil'ev, L.L., et al., [1982, p.313-325, eng] 39-2911
- Heat recovery**
- Heat pumps to recover heat from waste treatment plants. Martel, C.J., et al., [1982, 23p., eng] 39-1259
- Heat sinks**
- Heat sink of the Yenisey River in its estuarine area. Kurzhunov, A.N., [1984, p.66-74, rus] 39-2016
- Heat sources**
- Superinsulated perspective house. Haigh, J.G., [1984, p.26-29, eng] 39-82
- Ice disruption by natural heat of underlying sea. Bogorodskii, V.V., et al., [1983, p.52-56, eng] 39-3980
- Heat transfer**
- Interaction of atmosphere, ice, and ocean in Antarctica. Poggi, A., [1982, p.163-172, fre] 39-22
- Heat and moisture transfer in frost-heaving soils. Guymon, G.L., et al., [1984, p.336-343, eng] 39-24
- Calculating heat transfer through walls. Moskalev, A.S., et al., [1984, p.102-105, rus] 39-134
- Heat losses related to structures of heaters. Ral'chuk, N.T., [1984, p.105-109, rus] 39-135
- Modeling the ocean in climate studies. Semtner, A.J., Jr., [1984, p.133-140, eng] 39-187
- Stability of sheet water flow under a glacier. Weertman, J., et al., [1983, p.374-382, eng] 39-199
- Thermal insulation and materials. Govan, P.A., ed., [1983, 893p., eng] 39-219
- Ice formation between two cooled parallel plates. Seki, N., et al., [1984, p.498-505, eng] 39-232
- Duration of the freezing of bodies with variable temperature of the medium. Koval'kov, V.P., [1984, p.78-84, eng] 39-352
- Modeling two-dimensional freezing. Albert, M.R., [1984, 45p., eng] 39-383
- Ice deterioration. Ashton, G.D., [1984, p.31-38, eng] 39-481
- Solitons and proton motion in ice-like structures. Antonchenko, V.I.A., et al., [1983, p.631-640, eng] 39-488
- How to control ice formation on natural-draft cooling towers. Adams, T.A., Jr., [1983, p.45-47, eng] 39-489
- Oil and gas-fired heat generation systems in Alaska. Vols. 1 and 2. Johnson, R., [1983, 2 vols., eng] 39-558
- Melting rates in turbulent recirculating flow systems. Szekely, J., et al., [1984, p.1116-1121, eng] 39-602
- Turbulent fluxes in the surface layer of the atmosphere. Timokhov, L.A., [1984, p.181-190, eng] 39-783
- Analysis of winter heat flow in an ice-covered Arctic stream. Wankiewicz, A., [1984, p.430-443, eng] 39-875
- Hydrothermal processes beneath Arctic river channels. Wankiewicz, A., [1984, p.1417-1426, eng] 39-880
- Offshore permafrost analysis. [1980, 20p. + append., eng] 39-1048
- Approximate solution of the Stefan problem on a segment. Ghiko, A.O., et al., [1983, p.1450-1455, eng] 39-1084
- Frost formation on a parallel-plate heat exchanger. O'Neal, D.L., et al., [1982, 187p., eng] 39-1231
- On the temperature distribution in an air-ventilated snow layer. Yen, Y.-C., [1982, 10p., eng] 39-1263
- Heat and mass transfer problems. Carey, G.F., et al., [1983, p.337-346, eng] 39-1277
- Ice, water and energy balances of Spartan Glacier, Alexander Island. Jamieson, A.W., et al., [1983, p.155-186, eng] 39-1361
- Coverage coefficient for calculating ice volume generated. Hausser, R., et al., [1984, p.211-224, eng] 39-1465
- West antarctic sea ice. Ackley, S.F., [1984, p.88-95, eng] 39-1502
- Thermal convection during Bridgman crystal growth. Carlson, F.M., et al., [1984, p.747-756, eng] 39-1584
- Rain/snow impact erosion of high velocity projectile. Hong, Y.S., [1980, p.2-8, kor] 39-1723
- Analysis of heat transfer during melting from a vertical wall. Okada, M., [1984, p.2057-2066, eng] 39-1745
- Dynamics of frazil ice formation. Daly, S.F., et al., [1984, p.161-172, eng] 39-1765
- Regularity of the freezing-up of the water surface and heat exchange between water body and water surface. Matoušek, V., [1984, p.187-200, eng] 39-1767
- Thermal design aspects of a mobile Arctic drilling platform. Richardson, D.W., et al., [1984, 14p. + figs., eng] 39-1857
- Role of heat and water transport in frost heaving of porous soils. Nakano, Y., et al., [1984, p.93-102, eng] 39-1936
- Ground freezing problems. Askar, H.G., [1982, 217p., eng] 39-2003
- Ice crystal growth in forced convection system. S.K., [1983, 232p., eng] 39-2010
- Three phase temperature-density model of snowmelt runoff. Rahman, K.H.S., [1982, n.p., eng] 39-2061
- Status of numerical models for heat and mass transfer in frost-susceptible soils. Berg, R.L., [1984, p.67-71, eng] 39-2130
- Subsea permafrost and petroleum development. Jahns, H.O., [1984, p.90-92, eng] 39-2134
- Drilling and operation of gas wells in the presence of natural gas hydrates. Gritsenko, A.I., et al., [1984, p.167-172, eng] 39-2150
- Impact of installations for the extraction and transport of gas on permafrost conditions in western Siberia and comprehensive engineering geology forecasting of resultant changes. Zakharov, I.U.F., et al., [1984, p.173-176, eng] 39-2151
- Deformation of freezing, thawing, and frozen rocks. Lebedenko, I.U.P., et al., [1984, p.248-252, eng] 39-2166
- Analytical and experimental studies of the heat transfer around a vertical ice wall in fresh water at various temperatures. Dutton, C.R., et al., [1985, p.1-5, eng] 39-2388
- Analyzing numerical errors in domain heat transport models using the CVBEM. Hromadka, T.V., II, [1985, p.22-30, eng] 39-2391
- Laboratory tests and analysis of thermosyphons with inclined evaporator sections. Zaring, J.P., et al., [1985, p.31-37, eng] 39-2392
- Centrifuge modelling of underwater permafrost and sea ice. Palmer, A.C., et al., [1985, p.65-69, eng] 39-2397
- Heat transfer and icing of a rough cylinder. Makkonen, L., [1985, p.105-116, eng] 39-2553
- Models of soil freezing. Smith, M.W., [1985, p.96-120, eng] 39-2696
- Simple device to improve low temperature driving. Coutts, J., [1984, p.36-37, eng] 39-2764
- Measurement of iceberg temperatures. Diamond, D., [1983, p.3-16, eng] 39-2835
- Heat transfer studies for heat pipe cooling and freezing of ground. Vasil'ev, L.L., et al., [1982, p.63-71, eng] 39-2910
- Method for weakening the ice cover in northern rivers. Manikian, V., et al., [1985, p.239-250, eng] 39-3177
- Peculiarities of heat exchange between the atmosphere and ocean in the Arctic Basin. Makshtas, A.P., [1984, p.102-108, eng] 39-3656
- Heat and mass transfer during freezing of aqueous solutions. Wollhöver, K., et al., [1985, p.761-769, eng] 39-3923
- Numerical methods in thermal problems. [1983, 1215p., eng] 39-3960
- Thermal characteristics of a one layer spherical particles insulator. Khader, M.S., [1983, p.65-75, eng] 39-3961
- Freezing in a pipe with turbulent flow. Albert, M.R., et al., [1983, p.102-112, eng] 39-3963
- Solution of a solidification problem. Bell, G.E., [1983, p.124-133, eng] 39-3964
- Heat and water movement in a partially frozen soil. Hornung, U., [1983, p.162-170, eng] 39-3966
- Heat and mass transfer in porous media. Refstrup, J., et al., [1983, p.173-183, eng] 39-3967
- Heat transfer and boundary-layer laws in turbulent flows. Nitache, W., et al., [1983, p.707-717, eng] 39-3968
- New type of boundary condition in convective heat transfer problems. Dorfman, A.S., [1985, p.1197-1203, eng] 39-4030
- Buoyancy flow during the melting of a vertical semi-infinite region. Huang, S.C., [1985, p.1231-1233, eng] 39-4032
- Studies on icicles (II): Wave-forms, spikes and bent icicles. Maeno, N., et al., [1984, p.139-147, jpn] 39-4042
- Transient flow process in unsaturated soils. Fredlund, D., et al., [1982, p.307-317, eng] 39-4061
- Analysis of heat flow in artificially frozen soils. Makowski, E., et al., [1982, p.1211-1220, eng] 39-4063
- See also: Permafrost heat transfer
- Heating**
- Calculating heat transfer through walls. Moskalev, A.S., et al., [1984, p.102-105, rus] 39-134
- Heat losses related to structures of heaters. Ral'chuk, N.T., [1984, p.105-109, rus] 39-135
- Oil and gas-fired heat generation systems in Alaska. Vols. 1 and 2. Johnson, R., [1983, 2 vols., eng] 39-558
- Heaters for vehicles and aircraft in Arctic environments. [1981, c100p., eng] 39-569
- Storage of automobiles in parking lots at low temperatures. Kramarenko, G.V., et al., [1984, 136p., rus] 39-1237
- Regularities governing thermal stabilization of ground. Shaper, A.G., et al., [1984, p.38-42, rus] 39-1564
- Forty years of helicopter ice protection experience at Sikorsky aircraft. Rosen, K.M., et al., [1981, p.5-19, eng] 39-1969
- Application of microwave energy for accelerating excavation in frozen soil. Mianick, I.U.M., et al., [1984, p.268-272, eng] 39-2170
- New design concept for Halley Station. Smith, A., [1983, p.316-325, eng] 39-2620
- Technical concepts of the antarctic stations Georg-Von-Neumayer and Filchner of the Federal Republic of Germany. Mannhardt, S., [1983, p.338-347, eng] 39-2622
- Safer, more practical and comfortable Chilean bases. Araya F. M., et al., [1983, p.366-381, rus] 39-2625
- Aircraft deicer system and apparatus. Yaste, E.E., [1970, 4 col. + figs., eng] 39-3838
- Heating and cooling method for measuring thermal conductivity. McGaw, R.W., [1984, 8p., eng] 39-3902
- See also: Concrete heating; Electric heating; Pipeline heating
- Heaving**
- See: Frost heave
- Heavy water**
- Spectra of H₂O and D₂O ice clathrates. Johari, G.P., et al., [1984, p.281-284, eng] 39-559
- Uncoupled O-H stretch in ice VII. Klug, D.D., et al., [1984, p.1220-1228, eng] 39-651
- Physical properties of supercooled heavy water. Lang, E.W., et al., [1984, p.3820-3827, eng] 39-1576
- Electron spin resonance study of irradiated D₂O ice. Hase, H., et al., [1983, p.3216-3218, eng] 39-1582
- Vapor pressures of supercooled H₂O and D₂O. Kraus, G.F., et al., [1984, p.4781-4786, eng] 39-1583
- Disordered structure of D₂O ice VII. Jorgensen, J.D., et al., [1985, p.329-333, eng] 39-3577
- Height**
- See: Altitude
- Height finding**
- Hypsonometry and valley glacier response. Furbish, D.J., et al., [1984, p.199-211, eng] 39-1675
- Helicopters**
- Radar sounding of snow cover on avalanche slopes. Chizhov, A.N., [1984, p.93-96, rus] 39-463
- Improvements in planning the development of merchant marine. Panin, I.U.I., ed., [1983, 88p., rus] 39-963
- Cargo transportation in the Arctic. Egorov, N.P., [1983, p.43-47, rus] 39-964
- Forty years of helicopter ice protection experience at Sikorsky aircraft. Rosen, K.M., et al., [1981, p.5-19, eng] 39-1969
- Organization and technology of power line construction under high mountain conditions. Pogrebkov, K.A., [1985, p.15-17, rus] 39-1993
- Construction of the Ingurskaya-Stavropol'skaya 500 kV overhead power line. Giginshvili, A.L., [1985, p.17-19, rus] 39-1994
- Helicopters used in high-altitude construction of power lines. Zagnitko, V.N., et al., [1985, p.19-23, rus] 39-1995
- Helicopter operations at SANAE Station. Dean, R.A., [1983, p.140-141, eng] 39-2600
- Analysis of helicopter snow obscuration sub-test at SNOW-TWO. Eberstole, J.F., et al., [1984, p.289-310, eng] 39-2569
- Helicopter-rafted snow model for EOSAEL. Burbaw, E., et al., [1984, p.311-322, eng] 39-2970
- Heterogeneous nucleation**
- Heterogeneous ice nucleation. Gzirishvili, T.G., et al., [1984, 140p., rus] 39-2100
- High pressure ice**
- Melting ice I at 77K and 10 kbar. Mishima, O., et al., [1984, p.393-395, eng] 39-550

- Orientation correlation tensor in ice I, III, IV, V and VI. Johari, G.P., et al., (1984, p.11-14, eng) 39-560
- Uncoupled O-H stretch in ice VII. Klug, D.D., et al., (1984, p.1220-1228, eng) 39-631
- Structure of the ice. Kamb, B., (1972, p.9-24, eng) 39-806
- Structure of D₂O ice VIII from in situ powder neutron diffraction. Jorgensen, J.D., et al., (1984, p.3211-3214, eng) 39-819
- Brillouin scattering from H₂O: liquid, ice VI, and ice VII. Polian, A., et al., (1983, p.6409-6412, eng) 39-1063
- Orientation correlation parameter in ice VI. Johari, G.P., et al., (1980, p.3201-3205, eng) 39-1149
- Energies of the phases of ice at zero temperature and pressure. Whalley, E., (1984, p.4087-4092, eng) 39-1577
- Structure of deuterated ice VI, VII and VIII. Kuhs, W.F., et al., (1984, p.3612-3623, eng) 39-1578
- Shock-wave studies of ice under uniaxial strain conditions. Larson, D.B., (1984, p.233-240, eng) 39-1681
- Lattice vibrations of ice Ih, VIII, and IX. Tse, J.S., et al., (1984, p.6124-6129, eng) 39-2817
- Effective pair potentials and the structure of ice VIII and IX. Impey, R.W., et al., (1984, p.6406-6407, eng) 39-2819
- Transition between amorphous phases of high pressure ice. Mishima, O., et al., (1985, p.76-78, eng) 39-3126
- Disordered structure of D₂O ice VII. Jorgensen, J.D., et al., (1985, p.329-333, eng) 39-3577
- High pressure tests**
- Icebreaking by gas blasting. Mellor, M., (1984, p.93-102, eng) 39-1759
- Highways**
- See: Roads
- Himalaya Mountains**
- Isotope stratification in high mountain glaciers: examples from the Peruvian Andes and Himalaya. Grabczak, J., et al., (1983, p.417-424, eng) 39-263
- Interpretation of the chemical and physical time-series retrieved from Sentinel Glacier, Ladakh Himalaya, India. Mayewski, P.A., et al., (1984, p.66-76, eng) 39-244
- Surging glacier in the Nangpatwa Peak area, Himalaya. Zhang, W., (1983, p.75-76, chj) 39-271
- Oxygen isotopic ratios of some Himalayan glaciers. Nijampurkar, V.N., et al., (1984, p.300-302, eng) 39-596
- Estimation of mass balance components of a summer-accumulation type glacier in Nepal, Himalaya. Ageta, Y., et al., (1984, p.249-255, eng) 39-2507
- Studies of snow accumulation characteristics on Himalayan slopes. Bagchi, A.K., (1980, p.153-156, eng) 39-3132
- Snow cover area-runoff forecasting models, Western Himalaya. Dey, B., (1985, p.1425-1432, eng) 39-3709
- Hoarfrost**
- Short-range forecasting of meteorological conditions for icing of aircraft on the ground and of the runway at Sofia airport. Martinov, M.I., et al., (1983, p.42-47, eng) 39-509
- Protecting electric power sub-stations from snowdrifts. Malevannia, N.G., et al., (1984, p.42-44, eng) 39-2103
- Hydrometeorological studies. Chistiyeva, S.P., ed., (1984, 152, rus) 39-2249
- Formulas for calculating first and last icings in the season. Guliaev, I.U.N., (1984, p.33-38, rus) 39-2250
- Distribution of icing load over the USSR. Zakharov, A.G., (1984, p.87-93, rus) 39-2376
- Icing regime of tall structures. Mytarev, M.N., (1984, p.94-103, rus) 39-2377
- Radar meteorology. Stepanenko, V.D., ed., (1984, 211p., rus) 39-2847
- Wind velocities during ice-hoarfrost precipitation over the USSR. Borisenko, M.M., et al., (1984, p.205-209, rus) 39-2850
- Predicting rime ice accretion on airfoils. Bragg, M.B., (1985, p.381-387, eng) 39-3447
- See also: Depth hoar
- Hoists**
- Electromagnetic load-lifting device. Timin, V.N., et al., (1985, p.28-29, rus) 39-3994
- Homogeneous nucleation**
- Homogeneous nucleation rate for water. Hagen, D.E., et al., (1984, p.1416-1418, eng) 39-652
- Nucleation and growth of ice in solutions. MacFarlane, D.R., (1982, 411p., eng) 39-2005
- Heterogeneous ice nucleation. Ozirishvili, T.G., et al., (1984, 140p., rus) 39-2100
- Hot oil lines**
- Hot pipeline production during seasonal underloading. Garra, N.A., (1984, p.53-55, rus) 39-798
- Performance of the trans-Alaska oil pipeline. Johnson, E.R., (1984, p.109-111, eng) 39-2139
- Review of pipeline construction in western Siberia. Kuramin, V.P., et al., (1985, 50p., rus) 39-3101
- Fatigue damage of suspended oil pipelines due to wind in the Arctic. Honegger, D.G., et al., (1985, p.49-53, eng) 39-4009
- Houses**
- Industrial output of modular buildings for Siberia and the Far North (organization and structural design). Orlov, V.A., et al., (1984, 56p., rus) 39-84
- Superinsulated perspective house. Haigh, J.G., (1984, p.26-29, eng) 39-82
- Temporary houses for workers in permafrost areas. Sobchenko, M.S., et al., (1984, p.21-23, rus) 39-675
- Provision of utilities and services for single-family housing areas. Gunderson, P., (1984, p.3-31, nor) 39-734
- Foundations for single-family houses. Torgersen, S.E., (1984, p.33-49, nor) 39-735
- Construction in the Tyumen' area. Gusev, V.A., (1984, p.7-9, rus) 39-790
- McGill Axel Heiberg Station with an inventory as of June 1983. Adams, P., (1984, 7p. + append., eng) 39-953
- Social and housing conditions in the Yamburg gas field. Asenkov, V.I., (1985, p.11, rus) 39-2029
- Residential houses for rural construction in the North. Sakharov, A.N., (1984, 261p., rus) 39-2117
- Dwellings and climate. Litakevich, V.K., (1984, 288p., rus) 39-2278
- Arctic house. Nottingham, D., et al., (1984, p.8-11, eng) 39-2760
- House for the North. Magidin, V., et al., (1984, p.62-68, rus) 39-2857
- Construction of ports. Goncharov, V.V., (1985, p.23-24, rus) 39-3120
- Design of settlements for mobile crews. Sobchenko, M.S., et al., (1985, p.29-30, rus) 39-3124
- Cap-pile foundations for low-rise buildings. Miasnikin, A., (1984, p.14-15, rus) 39-3300
- Review of the development and construction technology of northern petroleum fields. Berezin, V.L., et al., (1985, 51p., rus) 39-3426
- Economical foundations for country cottages. Anufriev, L.N., et al., (1985, p.12-15, rus) 39-3736
- How to increase stability of foundations. Orlov, V., (1985, p.128-129, rus) 39-3997
- Hovercraft**
- See: Air cushion vehicles
- Human factors**
- Cryogenesis and the formation of soil. Khudiakov, O.I., (1984, 196p., rus) 39-28
- Results of geological-geophysical studies of eastern Siberia in 1976-1980. Pinneker, E.V., ed., (1982, 136p., rus) 39-32
- Environmental protection in permafrost areas. Lashchikov, F.N., et al., (1982, p.113-118, rus) 39-36
- Degradation of lichens and mosses in air-pollution areas. Kriuchkov, V.V., (1981, p.92-94, rus) 39-75
- Ecological approach to snow studies in mountains. Kolomyta, E.G., et al., (1984, p.3-15, rus) 39-289
- Systems approach to alpine landscapes. Kolomyta, E.G., (1984, p.65-83, rus) 39-297
- Soil formation and revegetation of permafrost slopes. Shishkina, L.P., et al., (1984, p.91-96, rus) 39-394
- Upper forest lines in the Subarctic as indices of ecologic parameters of the biosphere. Kriuchkov, V.V., (1984, p.13-14, rus) 39-506
- Restoration of vegetational cover of forest communities in the northern Kola Peninsula. Kuz'mina, L.I., (1984, p.15, rus) 39-507
- Rational utilization of vegetational cover of the Far North. Filipova, L.N., (1984, p.102-103, rus) 39-526
- Mapping subarctic regions from satellite photographs. Astakhova, V.A., et al., (1980, p.20-22, rus) 39-1330
- Environmental impact of human activities. Kontoboltseva, I.S., et al., (1984, p.11-18, rus) 39-1386
- Preliminary estimation of the impact of industries on highland ecosystems. Razumov, V.V., et al., (1984, p.121-134, rus) 39-1710
- Changes in vegetational cover of mixed-grass pine forests due to human activities. Krivchikova, I.D., (1983, p.49-57, rus) 39-3069
- Humidity**
- Design of reinforced concrete engineering structures for thermal stresses. Krichevskii, A.P., (1984, 149p., rus) 39-771
- Hydroclimatic conditions of the Amur River region. Napranikov, A.T., et al., (1983, 66p. + 15 maps, rus) 39-1449
- Precipitation regime of the west antarctic ice sheet. Bromwich, D.H., (1984, p.107-115, eng) 39-1504
- Quantitative analysis of snow-line zonality. Jiang, Z., (1984, p.27-35, chj) 39-1537
- Near surface meteorological experiment at the Fichtner ice front. Schaller, E., (1984, p.165-171, ger) 39-1614
- Microwave radiometric determination of atmospheric parameters during the Bering Sea Experiment. Wilheit, T.T., et al., (1982, p.9-35, eng) 39-2739
- New method for measuring the snow-surface temperature. Andreev, E.L., (1984, p.161-169, eng) 39-2959
- High-sensitivity air humidity radiometers for freezing weather. Gorelik, A.G., et al., (1984, p.227-230, rus) 39-3076
- Hummocks**
- Changes in Arctic tussock tundra thirteen years after fire. Fether, N., et al., (1984, p.1332-1333, eng) 39-886
- Quaternary geology of southwestern Saskatchewan. Klassen, R.W., et al., (1985, p.187-228, eng) 39-2329
- Ages of mature tussocks of cotton sedge, central Alaska. Mark, A.F., et al., (1985, p.1-5, eng) 39-2673
- Effect of ground water in soil formation, Saskatchewan. Miller, J.J., et al., (1985, p.293-307, eng) 39-3584
- Mass loss in a forested bog: relation to hummock and hollow microrelief. Farriah, K.W., et al., (1985, p.375-378, eng) 39-3585
- Hydrates**
- Studying and predicting conditions of gas accumulation in gas-hydrate deposits. Cherskii, N.V., et al., (1983, 155p., rus) 39-52
- Obtaining clathrate-type polyhydrates for ammonium iodides. Diadin, I.U.A., et al., (1984, p.13-18, rus) 39-321
- Thermophysical properties of natural gas hydrates. Grolsman, A.G., et al., (1984, p.26-30, rus) 39-324
- Water-dioxane clathrates at atmospheric pressure. Diadin, I.U.A., et al., (1984, p.67-73, rus) 39-344
- Water-dioxane clathrates at 10 kbar pressure. Zelenin, I.U.M., et al., (1984, p.73-78, rus) 39-345
- Clathrates in water-ammonium salts systems. Diadin, I.U.A., et al., (1984, p.79-84, rus) 39-346
- Mathematical model of gas hydrate formation. Biliushov, V.M., (1984, p.46-52, eng) 39-351
- Hydrocarbon gases. Zhizchenko, B.P., (1984, 113p., rus) 39-968
- Drilling and operation of gas wells in the presence of natural gas hydrates. Gritsenko, A.I., et al., (1984, p.167-172, eng) 39-2150
- Laboratory facility for testing sediments containing gas hydrates. Wittebolle, R.J., et al., (1985, p.52-58, eng) 39-2395
- Production well through sediments containing gas hydrates. Wittebolle, R.J., et al., (1985, p.178-184, eng) 39-3170
- Hydraulic fill**
- Layered hydraulically beds as bearing grounds in cold regions. Kononov, P.A., et al., (1984, p.25-30, eng) 39-1075
- Earth dam construction in freezing weather. Popov, I.U.A., et al., (1985, p.96-100, rus) 39-3402
- Geological conditions of the city of Omsk. Barats, N.I., (1985, p.31-34, rus) 39-3614
- See also: Earth fills; Rock fills
- Hydraulic jets**
- Concepts for the integration of a fluid cushion into the bow of a ship. Dadachanji, N., et al., (1982, 28p. + append., eng) 39-1001
- Theoretical basis for obtaining friable ice. Smorygin, G.I., (1984, 157p., rus) 39-1154
- Resistance of frozen soils to disintegration under high-pressure hydraulic jets. Petrosian, L.R., et al., (1984, p.127-131, eng) 39-1652
- High pressure jet technology used in construction. Mosin, V.D., (1984, p.189-192, eng) 39-3811
- Jet technology for soil stabilization. Khazin, M.F., et al., (1984, p.196-199, eng) 39-3812
- Hydraulic structures**
- Results of geological-geophysical studies of eastern Siberia in 1976-1980. Pinneker, E.V., ed., (1982, 136p., rus) 39-32
- Construction of railroads and associated buildings in permafrost areas. Smirnova, E.A., (1984, p.60-64, rus) 39-133
- Engineering and seismic investigations of dams built in permafrost areas. Tikhonov, V.V., (1984, p.29-32, rus) 39-412
- Submersible systems for ecological research in polar regions. Ray, G.C., (1984, p.54-60, eng) 39-578
- Formation and disruption of ice jams on rivers and lakes. Karnovich, V.N., (1984, p.234-239, rus) 39-889
- Performance of mechanical equipment of hydroelectric power plants under northern conditions. Martenson, V.I.A., (1984, p.31-34, rus) 39-894
- The Ostrovsk River port in the North. Tolmachev, R.A., (1984, p.28-30, rus) 39-1171
- Earth dam construction under permafrost conditions. Mel'nikov, P.I., et al., (1984, p.27-28, rus) 39-1342
- Estimating seasonal changes in water inflow into reservoirs. Komarov, V.D., et al., (1985, p.3-26, rus) 39-1548
- Basic trends and problems of engineering geocology in hydraulic construction. Tsytovich, N.A., et al., (1984, p.25-29, rus) 39-1587
- Seepage and thermal regime of concrete-earth junctions. Gorkhov, E.N., et al., (1984, p.45-46, rus) 39-1595
- Engineering and geological investigations for power plant construction. Kagan, A.A., et al., (1984, p.47-51, rus) 39-1596
- Canals under blizzard conditions. Smirnov, E.A., et al., (1984, p.25-29, eng) 39-1639
- Statistical time-series analysis and reliability of data describing the occurrence and intensity of ice-phenomena in rivers and reservoirs. Votruba, L., et al., (1984, p.211-221, eng) 39-1769
- Ice formation and prevention on sub-zero cooled hydraulic structures. Engelke, G., et al., (1984, p.77-86, eng) 39-1794
- Underwater support capabilities—Arctic marine operations. English, J.G., (1984, 10p., eng) 39-1866

Hydraulic structures (cont.)

- Motion and structural response of a hydroelastic semi-submersible model to waves and ice impacts. El-Tahan, H., et al. (1985, p.753-761, eng) 39-2387
- Reinforced underwater ice berm. Michel, B., (1985, p.281-285, eng) 39-2425
- Hydroelectric stations on Siberian rivers. Gotlib, I.A.L., (1984, p.86-90, eng) 39-2548
- Earth dams on peat foundations. Shamshin, B.G., (1985, p.51-52, rus) 39-2731
- Spray-cone method of upbuilding ice masses in Spitsbergen. Gokhman, V.V., et al. (1984, p.231-237, rus) 39-2797
- Present states and technical trends of unmanned underwater vehicles. Aoki, T., (1984, p.4-17, jpn) 39-3033
- Ice action on hydraulic structure slopes. Alefnikov, S.M., et al. (1984, p.237-248, eng) 39-3484
- Ice loads on hydraulic structures. Karnovich, V.N., et al. (1984, p.249-253, eng) 39-3485
- Reference book on construction in water under severe climatic conditions. Gordes, E.G., et al. (1984, 383p., rus) 39-3508
- Bearing strength of structures built in frozen ground. Savko, B., (1985, p.38-39, rus) 39-3535
- Geological conditions of the city of Omsk. Barats, N.I., (1985, p.31-34, rus) 39-3614
- Radial spillway gates of northern hydroelectric power plants. Sitnianski, A.I., (1985, p.414-418, eng) 39-3815
- Operation of mechanical equipment in cold regions. Polonski, G.A., (1985, p.418-426, eng) 39-3816
- Experimental rheology of clay soils. Meschian, S.R., (1985, 342p., rus) 39-3908
- See also: Dams; Docks; Locks (waterways); Offshore structures; Piers; Sluices (hydraulic engineering); Wharves
- Hydraulics**
- Hydraulics of river ice—a summary. Santeford, H.S., (1984, p.325-355, eng) 39-1289
- Workshop on Hydraulics of River Ice, 3rd, 1984. (1984, 456p., eng) 39-1454
- Hydraulics of breakup. Santeford, H.S., et al. (1984, p.95-110, eng) 39-1458
- Documentation and analysis of the water level profile through an ice jam, MacKenzie River, N.W.T. Rivard, G., et al. (1984, p.141-157, eng) 39-1461
- Iceforms of floating loose covers. Chee, S.P., et al. (1984, p.197-209, eng) 39-1464
- Analysis of ice dam formation and its forecasting. Liu, G., et al. (1984, p.233-240, eng) 39-1771
- Unsteady flow model of river ice hydraulics. Yapa, P.N.D.D., et al. (1984, p.369-377, eng) 39-1784
- Hydraulic conveying of snow: IV. Flow pattern of snow/water mixture in straight pipes. Shirakashi, M., et al. (1984, p.163-170, jpn) 39-2473
- Hydraulic conveying of snow: V. The influence of several factors on the pressure drop of a snow/water mixture flowing in a straight pipe. Shirakashi, M., et al. (1984, p.171-178, jpn) 39-2474
- Computer model of the tidal phenomena in Cook Inlet, Alaska. Carlson, R.F., et al. (1972, 69p., eng) 39-2635
- Hydraulic characteristics of frazil floes. Park, C., et al. (1984, p.27-35, eng) 39-3468
- Hydrocarbons**
- Distribution and migration of hydrocarbon gases in permafrost regions. Starobinets, I.S., et al. (1984, p.703-707, rus) 39-150
- Hydrocarbon gases in sediments. Navarin basin, Bering Sea. Golan-Bac, M., et al. (1984, 11p., eng) 39-538
- Remote sensing: a tool for northern development. Pallister, J., (1984, p.16-21, eng) 39-541
- Arctic hydrocarbon transportation systems in the 21st century. Lanan, G.A., et al. (1984, p.45-53, eng) 39-577
- Hydrocarbons in snow, ice, and water in the northern part of the Kara Sea. Dmitriev, F.A., et al. (1983, p.67-71, eng) 39-585
- Physical adsorption of hydrocarbon vapors on ice. Orem, M.W., (1969, 115p., eng) 39-745
- Oil and gas development concepts. Sable Island and Hybernia. Romanski, W., (1980, 38p., eng) 39-1313
- Development of Beaufort Sea hydrocarbons. Todd, M.B., (1983, p.22-43, eng) 39-1748
- Environmental pollution of chlorinated hydrocarbons in the Antarctic. Hidaka, H., (1984, p.9-14, jpn) 39-2274
- Hydrocarbons in sediments of the Alaskan Outer Continental Shelf. Venkatesan, M.I., et al. (1982, p.2135-2149, eng) 39-2902
- Thermogenic hydrocarbons in Bransfield Strait sediments. Whittier, M.J., et al. (1985, p.87-90, eng) 39-3127
- Permeability of permafrost with respect to migrating hydrocarbon gases. Starobinets, I.S., et al. (1985, p.24-27, rus) 39-3256
- Predictions concerning petroleum presence in the Tunguska River basin. Bukaty, M.B., et al. (1985, p.78-99, rus) 39-3359
- Hydrodynamics**
- Study of the M2 tide in the ice-covered Arctic Ocean. Kowalik, Z., (1981, p.201-223, eng) 39-2001

- Cryogeothermal problems in the study of the Arctic Ocean. Neizvestnov, I.A.V., et al. (1984, p.273-277, eng) 39-2171
- Dynamic problem of interactions between elastic bodies and ice-field surfaces. Kovalenko, E.V., (1982, p.244-251, eng) 39-2198
- Interaction of waves with cylindrical bodies in ice-covered seas. Owen, D.G., et al. (1985, p.334-342, eng) 39-2382
- Hydroelectric power generation**
- See: Electric power
- Hydrofoil craft**
- Frame structure of inland- and combined-navigation ships. Protopopov, V.B., et al. (1984, 375p. (Pertinent p. 242-246 and 293-301), rus) 39-2197
- Hydrogen**
- Cryocrystals. Prikhod'ko, A.F., et al. (1983, 526p., rus) 39-1317
- Hydrogen evolution in liquid and frozen aqueous electrolyte. Frese, U., et al. (1985, p.1059-1062, eng) 39-3924
- Hydrogen bonds**
- Solitons and proton motion in ice-like structures. Antonchenko, V.I.A., et al. (1983, p.631-640, eng) 39-488
- Behavior of supercooled water. Hu, C.-K., (1983, p.1321-1326, eng) 39-556
- Residual entropy of two-dimensional ice on a ruby lattice. Lin, K.Y., et al. (1983, p.2515-2519, eng) 39-557
- Uncoupled O-H stretch in ice VII. Klug, D.D., et al. (1984, p.1220-1228, eng) 39-651
- Transport properties of ice. Jaccard, C., (1972, p.25-64, eng) 39-807
- On the proton field gradient of ice Ih. Davidson, E.R., et al. (1984, p.7-10, eng) 39-1398
- Structure of deuterated ice VI, VII and VIII. Kuhs, W.F., et al. (1984, p.3612-3623, eng) 39-1578
- Vibrational spectrum of ice Ih. Bergren, M.S., et al. (1982, p.583-602, eng) 39-2890
- Hydrogen ion concentration**
- Nature and extent of acid snowpacks in Pennsylvania. Dewalle, D.R., et al. (1983, 35p., eng) 39-743
- Hydrogeology**
- Geochemical surveys in taiga. Lomonosov, I.S., et al. (1983, p.50-61, rus) 39-467
- Permafrost and hydrogeological conditions of eastern Siberia. Shepelev, V.V., et al. (1984, 191p., rus) 39-1450
- Hydrography**
- Hydrographic investigations at the edge of the Filchner Ice Shelf. Rohardt, G., (1984, p.137-143, ger) 39-1610
- Hydrography at the edge of Filchner Ice Shelf. Rohardt, G., et al. (1985, p.50-57, ger) 39-2805
- Ice and hydrographic effects on Barents Sea phytoplankton. Rey, F., et al. (1983, p.49-63, eng) 39-3155
- Problems of the Arctic and Antarctic, Vol.57, 1977. Treshnikov, A.F., ed. (1985, 142p., eng) 39-3667
- Hydrologic cycle**
- General hydrology (hydrology of dry land). Bogoslovskii, B.B., et al. (1984, 422p., rus) 39-1136
- Variations of global water exchange. Kluge, R.K., (1985, 247p., rus) 39-3600
- Hydrology**
- Isotope hydrology and hydrochemistry of Lake Unter-See. Hermichen, W.D., et al. (1984, p.75-86, eng) 39-128
- Flood-plain delineation in ice jam prone regions. Vogel, R.M., et al. (1984, p.206-219, eng) 39-785
- Tailwater flow conditions. Ferrick, M.G., et al. (1983, 31p., eng) 39-1252
- Hydrological measuring and data transmission in Greenland. Thomsen, T., (1984, p.151-169, eng) 39-1282
- Hydroclimatic conditions of the Amur River region. Naprasnikov, A.T., et al. (1983, 68p. + 15 maps, rus) 39-1449
- Data generated from Alaskan hydropower development. Bredthauer, S.R., et al. (1983, p.6(1)-6(32), eng) 39-2443
- Catalog of hydroclimatological data for Alaska's coastal zone. Carlson, R.F., et al. (1982, c58p., eng) 39-2637
- Eighteenth Assembly of the IUGG on hydrology and glaciology. Kotliakov, V.M., et al. (1984, p.3-7, rus) 39-2765
- Individual design method for small river hydrographs in eastern Siberia. Petenkov, A.V., (1985, p.125-133, rus) 39-3016
- Great Lakes hydrologic forecast models. Gauthier, R.L., et al. (1985, p.1129-1140, eng) 39-3706
- Summer water budget and its importance in the alpine tundra of Colorado. Greenland, D., et al. (1984, p.221-239, eng) 39-3893
- See also: Glacial hydrology; Permafrost hydrology; Snow hydrology
- Hydrometeors**
- See: Precipitation (meteorology)
- Hydrothermal processes**
- Formation and geological activity of ground waters in eastern Siberia. Pinneker, E.V., et al. (1982, p.105-112, rus) 39-35

- Studying and predicting conditions of gas accumulation in gas-hydrate deposits. Cherskii, N.V., et al. (1983, 155p., rus) 39-52
- Permafrost development in northern West Siberia. Vasil'chuk, I.U.K., et al. (1984, p.134-143, rus) 39-426
- Hydrogeological studies of eastern USSR and some Asiatic countries. Pinneker, E.V., ed. (1983, 174p., rus) 39-466
- Hydrogeological mapping of cryogenic processes. Kononova, R.S., et al. (1983, p.130-136, rus) 39-470
- Structures of northern sea shores. Bashlavin, D.K., et al. (1982, p.174-178, rus) 39-758
- Hydrothermal processes beneath Arctic river channels. Wankiewicz, A., (1984, p.1417-1426, eng) 39-880
- Thermal settlement in the Central Yakutia plain. Bazylev, V.A., (1984, p.149-150, rus) 39-921
- Chemistry of jökulhlaup water and geothermal system in Iceland. Steinthorsson, S., et al. (1982, p.73-86, eng) 39-986
- General hydrology (hydrology of dry land). Bogoslovskii, B.B., et al. (1984, 422p., rus) 39-1136
- Peculiarities of formation of cryogenic halos and dispersion flows. Shvartsev, S.L., (1984, p.35-42, rus) 39-1193
- Modeling cryogenic physical-geological processes. Grechishchev, S.E., et al. (1984, 230p., rus) 39-1907
- Modeling water regime of raised bogs. Rusetskii, I.U., (1984, p.90-95, rus) 39-2588
- Freeze thaw effect on slopes of peat draining trenches. Gamaunov, N.I., et al. (1984, p.3-16, rus) 39-3760
- Preservation and stability of landscapes affected by human activities. Matveev, N.P., ed. (1984, 107p., rus) 39-3807
- Hygrometers**
- New method for measuring the snow-surface temperature. Andreas, E.L., (1984, p.161-169, eng) 39-2959
- Hygroscopic water**
- Relation of surface-electrical properties to ion mobility in permafrost. Romanov, V.P., (1985, p.107-115, rus) 39-3361
- Ice**
- Glossary of Russian ice terms. (1984, 78p., rus) 39-772
- Current state and trends in antarctic glaciological research. Kahmann, B., (1983, p.52-57, ger) 39-786
- Second All-Union Symposium "Meteorological studies in the Antarctic". Burova, L.P., (1984, p.78-81, rus) 39-979
- NESDIS environmental inventory No.1. Environmental data inventory for the antarctic area. (1984, 52p., eng) 39-1310
- In the hostile world of ice. (1984, p.35-42, spa) 39-1829
- Stratigraphy and glacial-marine sediments of the Arctic and southern oceans. Clark, D.L., et al. (1980, 57p., eng) 39-2067
- Proceedings of the Sixth Symposium on Polar Meteorology and Glaciology. Kusunoki, K., ed. (1984, 241p., eng) 39-3448
- Satellites over Antarctica. Rycroft, M.J., et al. (1984, p.1189-1190, eng) 39-3635
- Glossary of glaciology. Kotliakov, V.M., et al. (1984, 528p., rus) 39-3641
- See also: Artificial ice; Bottom ice; Colored ice; Deuterium oxide ice; Doped ice; Dry ice (trade name); Extraterrestrial ice; Fast ice; Floating ice; Fossil ice; Frazil ice; Glacier ice; Glaciology; Glaze; Ground ice; Grounded ice; High pressure ice; Lake ice; Land ice; Naleds; Pack ice; River ice; Salt ice; Sea ice; Vitreous ice; Young ice
- Ice accretion**
- Chemistry of precipitation in relation to precipitation type. Warburton, J.A., (1982, p.379-386, eng) 39-20
- Atmospheric icing on sea structures. Makkonen, L., (1984, 92p., eng) 39-97
- Modelling of ice accretion on wires. Makkonen, L., (1984, p.929-939, eng) 39-284
- Melting of ice on 500 kV overhead power lines. Gorbunov, A.M., et al. (1984, p.44-45, rus) 39-353
- Hydrological forecasts. Ginzburg, B.M., ed. (1984, 106p., rus) 39-433
- Long range forecasting of ice conditions on Volga reservoirs. Efreanova, N.D., et al. (1984, p.3-17, rus) 39-434
- Modeling freezeup of slush-bearing rivers. Abramnikov, N.M., (1984, p.30-49, rus) 39-436
- Minimum flashover voltage of ice insulators. Phan, L.C., et al. (1983, p.605-618, eng) 39-660
- Naled ice accretion and melting. Petukhova, N.A., (1984, p.13-21, rus) 39-834
- Using the model of a horizontally-inhomogeneous boundary layer for evaluating parameters of ice deposits. Ivanova, L.A., (1984, p.14-21, rus) 39-1135
- Ice accretion at Mt. Capellino during the winter 1981/82. Flocchini, F., et al. (1982, p.277-279, eng) 39-1216
- Crystalline structure of ice formed by droplet accretion. Pts 1 and 2. McCappin, C.J., et al. (1984, p.2437-2455, eng) 39-1821

- Technical requirements for installations and power lines when melting ice accretions. D'akov, A.F., et al., 1984, p.62-66, rusj 39-2104
- Formulas for calculating first and last icings in the season. Guljaev, I.U.N., 1984, p.33-38, rusj 39-2250
- Icing regime of tall structures. Mytarev, M.N., 1984, p.94-103, rusj 39-2377
- Calculating sea ice thickness in the Arctic. Efimova, N.A., 1984, p.3-10, rusj 39-2378
- Overview of marine icing research. Lozowski, E.P., et al., 1985, p.6-15, engj 39-2389
- Glacier ice and morphology of a fjord, British Columbia. Roberts, M.C., et al., 1984, p.381-393, engj 39-2566
- Adhesion of rime and glaze on conductors protected by various materials. Phan, C.L., et al., 1977, p.204-208, engj 39-2717
- Building up ice masses from sea water. Kamenskij, R.M., et al., 1984, p.219-223, rusj 39-2795
- Accumulation on the Filchner/Ronne Ice Shelves. Reinwardt, O., et al., 1985, p.7-17, gerj 39-2800
- Ice accretion on cylinders and wires. Makkonen, L.J., et al., 1984, 43p., engj 39-3054
- Dependence of antarctic accumulation rates on surface temperature and elevation. Muszynski, I., et al., 1985, p.204-208, engj 39-3085
- Predicting rime ice accretion on airfoils. Bragg, M.B., 1985, p.381-387, engj 39-3447
- Deicing system. Jusyk, S.J., 1965, 6 col. + figs., engj 39-3829
- Deicing boat and method of making the same. Son, Gullberg, H.H., 1970, 6 col. + figs., engj 39-3836
- Droplet size distribution effects on aircraft ice accretion. Hansman, R.J., Jr., 1985, p.503-508, engj 39-4051
- See also: Icing rate
- Ice acoustics**
- Relations between ice strain and acoustic signal velocity and attenuation. Voronina, I.U., et al., 1983, p.183-187, engj 39-592
- Phonon conductivity of ice single crystals. Kumar, A., et al., 1983, p.679-683, engj 39-667
- Scientific and engineering studies: underwater acoustics in the Arctic. 1984, var.p., engj 39-940
- Underwater Sound Laboratory's Arctic research program, 1958-1962. Wilson, D.P., et al., 1984, 37p., engj 39-941
- Radio echosounding of sub-ice bedrock near the Yamato Mountains. Ohmase, H., et al., 1984, p.95-102, engj 39-1091
- Arctic Ocean background noise caused by ridging of sea ice. Pritchard, R.S., 1984, p.419-427, engj 39-3266
- Under-ice noise produced by helicopters and tracked vehicles. De Heering, P., et al., 1984, p.1005-1007, engj 39-3267
- Ice adhesion**
- Ice interface. Jellinek, H.H.G., 1972, p.65-107, engj 39-808
- Experimental investigation of ice forces on cylindrical structures. Strickland, G.E., 1973, 36p. + figs., engj 39-899
- Experimental investigation of ice forces on cone-shaped structures. Strickland, G.E., 1973, 62p. + figs., engj 39-900
- Shear strength and adhesion properties of saline ice. Hänninen, J., et al., 1984, 35p., finj 39-1022
- Deicing system. Jusyk, S.J., 1965, 6 col. + figs., engj 39-3829
- Deicing composition. Shakir, M., et al., 1982, 8 col., rusj 39-3978
- Ice age**
- See: Pleistocene
- Ice age theory**
- Ice sheets on the move. Drewry, D.J., 1984, p.356-361, engj 39-595
- Milankovitch and climate. Kukla, G., ed., 1982, 895p. in 2 vols., engj 39-1983
- Some ice-age aspects of a calving ice-sheet model. Pollard, D., 1982, p.541-564, engj 39-1986
- Model of the ice age cycle. Peltier, W.R., et al., 1982, p.565-580, engj 39-1987
- On the origin of the ice ages. Oerlemans, J., 1982, p.607-611, engj 39-1990
- Ice air interface**
- Modeling the marginal ice zone. Hibler, W.D., III, ed., 1984, 99p., engj 39-360
- On the role of ice interaction in marginal ice zone dynamics. Leppäranta, M., et al., 1984, p.23-29, engj 39-364
- Force of air friction against ice. Karelin, I.D., et al., 1984, p.207-219, engj 39-705
- Dynamics and thermal regimes of rivers and reservoirs. Fidman, B.A., ed., 1984, 296p., rusj 39-887
- Calculating heat balance of ice covers on rivers and lakes. Beffinson, M.M., 1984, p.220-233, rusj 39-888
- Storm surges in the Beaufort and Chukchi Sea. Kowalik, Z., 1984, p.10,570-10,578, engj 39-969
- Heat and mass balance observations during the MIZEX 83 drift program. Maykut, G.A., 1984, p.35-46, engj 39-1128
- Air temperature variations above mountain glaciers. Vilesov, E.N., et al., 1983, p.47-53, rusj 39-1920
- Air temperature variations over high mountains. Blagoveshchenskij, V.P., 1983, p.53-73, rusj 39-1921
- Modeling the system atmosphere-ocean-large ice sheets. Verbitskij, M.I.A., et al., 1984, p.198-200, engj 39-2195
- Climatic maps of mountain glaciers of the world. Davidovich, N.V., 1984, p.68-80, rusj 39-2770
- Case study of a mesoscale disturbance at Filchner Station. Halbaguth, G., 1985, p.96-103, gerj 39-2812
- Marginal ice zone bibliography. Brennan, A., comp., 1985, p.29-187, engj 39-3639
- New dry extraction system for gases in ice. Moor, E., et al., 1984, p.358-361, engj 39-3787
- Ice bearing capacity**
- See: Ice cover strength
- Ice blasting**
- Icebreaking by gas blasting. Mellor, M., 1984, p.93-102, engj 39-1759
- Ice booms**
- Performance of the Allegheny River ice control structure. 1983. Deck, D.S., et al., 1984, 15p., engj 39-381
- Controlling river ice to alleviate ice jam flooding. Deck, D.S., 1984, p.524-528, engj 39-614
- Improved ice control with better understanding of thermal regime of the international section of St. Lawrence River. Bunte-Bissett, D., et al., 1984, p.371-386, engj 39-1472
- Ice sheet retention structures. Perham, R.E., 1984, p.339-348, engj 39-1781
- Controlling river ice to alleviate ice jam flooding. Deck, D., 1984, p.69-76, engj 39-3471
- Ice engineering in 1984. Michel, B., 1984, p.301-325, engj 39-3503
- Ice bottom surface**
- Ice flow leading to the deep core hole at Dye 3, Greenland. Whillans, I.M., et al., 1984, p.185-190, engj 39-196
- Internal wave forces on ice keels in the marginal ice zone: some preliminary laboratory results. Muench, R.D., et al., 1984, p.83-89, engj 39-373
- Water resistance caused by the bottom relief of ice packs. Nikiforov, E.G., et al., 1984, p.169-176, engj 39-701
- Some characteristics of the friction layer near rough surfaces in the sea. Doronin, I.U.P., et al., 1984, p.177-180, engj 39-702
- Sea ice topography of McClure Strait from submarine profiles. McLaren, A.S., et al., 1984, p.110-120, engj 39-711
- Ray-mode equivalence in the Arctic sound channel. Mellen, R.H., 1984, 20p., engj 39-947
- Underwater acoustics in the Arctic Ocean. Mellen, R.H., et al., 1984, 6p., engj 39-950
- Dynamics of George VI Ice Shelf. Pearson, M.R., et al., 1983, p.205-220, engj 39-1362
- Iceforms of floating loose covers. Chee, S.P., et al., 1984, p.197-209, engj 39-1464
- Potential effect of CO2 warming on sub-ice-shelf circulation and basal melting. MacAyeal, D.R., 1984, p.212-221, engj 39-1509
- Application of subsurface radar measurement of ice thickness. Mayer, I., et al., 1984, p.325-338, engj 39-1814
- Arctic spills in relationship to sea ice motion. Denner, W.W., et al., 1985, p.878-887, engj 39-3228
- Some morphological peculiarities of the lower and upper surfaces of fast ice. Chilingarov, A.N., et al., 1984, p.56-61, engj 39-3663
- Ice characteristics in the shear zone, Beaufort Sea. Hoare, R.D., et al., 1980, 45p. + append., engj 39-4023
- Ice breaking**
- Calculating ice loads on ships. Chuprikov, V., 1984, p.37-38, rusj 39-429
- Distribution of the per-ton fee for icebreaker services in the Arctic. Bazanova, E.V., 1983, p.50-51, rusj 39-966
- Ship operations in ice: operating instructions. Boteler, D.J., et al., 1981, var.p., engj 39-995
- Ship operations in ice: hardware manual. Boteler, D.J., et al., 1981, var.p., engj 39-996
- Ship operations in ice: software manual. Boteler, D.J., et al., 1981, 76p. + append., engj 39-997
- M.V. Arctic special report on Lake Melville probe. Dick, R.A., et al., 1982, 32p., engj 39-999
- SSACV icebreaking LNG tanker feasibility study. Dadachanji, N., et al., 1982, 32p., engj 39-1000
- Determination of the bearing capacity of antarctic ice. Kornilov, N.A., et al., 1984, p.41-46, rusj 39-1009
- Ice loads of propulsion machinery. Jussila, M., 1984, p.201-212, engj 39-1102
- Computer simulation of ice breaking by explosion and impact. Mansour, A., 1982, 335p., engj 39-1403
- New navigation method in heavy ice. Shatalin, N., 1984, p.24-25, rusj 39-1549
- Icebreaking by gas blasting. Mellor, M., 1984, p.93-102, engj 39-1759
- Ice management for Beaufort Sea production harbours. Andersen, P.F., et al., 1984, p.303-314, engj 39-1778
- Dynamic forces of ice floes acting on bridge piers. Sun, Z.-F., et al., 1984, p.147-155, engj 39-1800
- Fine grain model ice. Enkvist, E., et al., 1984, p.217-227, engj 39-1805
- Problems of river shipping in ice-bound conditions. Tronin, V.A., et al., 1984, p.255-266, engj 39-1808
- Ice-milling load encountered by a controllable pitch propeller. Sasajima, T., et al., 1984, p.297-307, engj 39-1812
- Ice navigation; report. 1984, 11p., engj 39-2035
- Main transportation route in the Soviet Arctic. Arikatnen, A.I., 1984, 192p., rusj 39-2036
- Quantitative analysis of ice sheet failure against an inclined plane. Frederking, R.M.W., et al., 1985, p.160-169, engj 39-2409
- Some latest developments in icebreaker technology. Schwarz, J., 1985, p.321-329, engj 39-2431
- Model test of an ice class bulk carrier with the Thyssen/Waas bow form. Freitas, A., et al., 1985, p.330-335, engj 39-2432
- Determination of propeller-ice milling loads. Kotras, T., et al., 1985, p.336-343, engj 39-2433
- Iceberg fragmentation by thermal shock. Diamond, D., 1984, p.8-10, engj 39-2833
- Hull scantling of large merchant icebreakers. Huther, M., et al., 1983, p.866-878, frej 39-2943
- Design of an icebreaking offshore supply vessel. Seligman, A.R., et al., 1985, p.294-308, engj 39-3182
- Architectural and structural type, nautical and ice-navigation qualities of promising ships. Panin, I.U.I., ed., 1984, 105p., rusj 39-3382
- Failure criteria for sea ice and loads resulting from crushing. Coon, M.D., et al., 1984, p.1-16, engj 39-3466
- Ice forces during failure by crushing against structures. Pulkkinen, E., 1984, p.17-26, engj 39-3467
- Segmented icebreaking ship model testing technique development. Nawwar, A.M., et al., 1984, p.255-265, engj 39-3486
- Ice-milling load on propellers. Sasajima, T., et al., 1984, p.281-295, engj 39-3488
- Dynamic ice loads on a ship. Tunik, A.L., 1984, p.297-313, engj 39-3489
- New bow for M.V. Arctic. Baker, D.N., et al., 1984, p.325-341, engj 39-3491
- Effect of hull plating roughness on the passability of ship in ice. Eruslimskij, A.V., et al., 1984, p.343-352, engj 39-3492
- Advancements in icebreaker technology. Schwarz, J., 1984, p.347-363, engj 39-3505
- Mashine for opening drainage ditches. Stramov, V.M., et al., 1984, p.16, rusj 39-3539
- JARE summer aircraft operations, 1956-1971. Murakoshi, N., et al., 1985, p.56-62, jpnj 39-3605
- Deicing device. Kline, R.O., 1971, 8 col. + figs., engj 39-3843
- Propulsion tests in level ice on a model of a 140-ft WTGB icebreaker. Tatinciaux, J.C., 1985, 13p., engj 39-3956
- See also: Ice cutting; Icebreakers
- Ice breakup**
- Concentration, growth and decay of seasonal sea ice cover. Comiso, J.C., et al., 1984, p.8081-8103, engj 39-216
- Simulation of growth and decay of river ice cover. Shen, H.T., et al., 1984, p.958-971, engj 39-225
- Hydrological forecasts. Ginzburg, B.M., ed., 1984, 106p., rusj 39-433
- Long range forecasting of ice conditions on Volga reservoirs. Efremova, N.D., et al., 1984, p.3-17, rusj 39-434
- Medium-range forecasting of ice breakup on rivers. Margolin, L.M., et al., 1984, p.50-57, rusj 39-437
- Calculating ice growth and deterioration on lakes. Poliakova, K.N., et al., 1984, p.57-73, rusj 39-438
- Calculating ice cover strength on rivers. Zabelina, E.F., 1984, p.73-81, rusj 39-439
- Ice conditions of the St. Lawrence River, 1971-1981. Greene, G.M., 1984, 19p., engj 39-478
- Ice disruption by natural heat of underlying sea. Bogorodskij, V.V., et al., 1983, p.52-56, engj 39-590
- Physical methods of studying the stressed state of ice cover. Bogorodskij, V.V., et al., 1984, p.59-70, engj 39-689
- Pressure ridges in Arctic pack ice. Gavrilov, V.P., et al., 1984, p.71-78, engj 39-690
- Regularities of the geometry of ice field breakup. Borodachev, V.E., 1984, p.79-91, engj 39-691
- Variability of the state of disintegration of ice. Gorbunov, I.U.A., et al., 1984, p.92-98, engj 39-692
- Effect of tangential wind and water stresses on fast ice Gudkovich, Z.M., 1984, p.99-110, engj 39-693
- Analysis of breakup and ice jams on the Athabasca River at Fort McMurray, Alberta. Andres, D.D., et al., 1984, p.444-458, engj 39-876
- Conceptual model of river ice breakup. Beltaos, S., 1984, p.516-529, engj 39-878
- Dynamics and thermal regimes of rivers and reservoirs. Fidman, B.A., ed., 1984, 296p., rusj 39-887
- Formation and disruption of ice jams on rivers and lakes. Karnovich, V.N., 1984, p.234-239, rusj 39-889
- Hydrology of Lake Baykal and other water bodies. Verbolov, V.I., ed., 1984, 167p., rusj 39-912
- Long range forecasting of ice breakup on Lake Baykal. Kuimova, L.N., 1984, p.84-88, rusj 39-913

Ice breakup (cont.)

- Graphical ice reduction. Hyvärinen, V., (1984, p.3-11, 3-14, eng) 39-1287
- Workshop on Hydraulics of River Ice, 3rd, 1984. (1984, 456p., eng) 39-1454
- Winter ice regime in the tidal estuaries of the Bay of Fundy, N.B. Desplaque, C., et al, (1984, p.7-38, eng) 39-1455
- Study of river ice breakup using hydrometric station records. Beltaos, S., (1984, p.41-64, eng) 39-1456
- Forecasting the initiation of ice breakup on the Nashwaak River, N.B. Tang, P.W., et al, (1984, p.65-93, eng) 39-1457
- Hydraulics of breakup. Santeford, H.S., et al, (1984, p.95-110, eng) 39-1458
- Case studies concerned with ice jamming. Petryk, S., (1984, p.113-126, eng) 39-1459
- Cutting trenches in the ice cover to prevent ice jams. Jolicœur, L., et al, (1984, p.127-139, eng) 39-1460
- Flood protection with ice cover on the Saint Charles River, Quebec City. Monflet, J., et al, (1984, p.159-179, fre) 39-1462
- Ice jam research needs. Gerard, R., (1984, p.181-193, eng) 39-1463
- Anchor ice effects on water levels in Lake St. Louis, St. Lawrence River at Montreal. Parkinson, F.E., (1984, p.345-370, eng) 39-1471
- Analysis of rapidly varying flow in ice-covered rivers. Ferrick, M.G., (1984, p.359-368, eng) 39-1783
- Analysis of causes for floods during ice run on the lower reaches of the Yellow River. Chen, Z., et al, (1984, p.379-388, eng) 39-1785
- Effect of structural properties on ice-induced self-excited vibrations. Mänttinen, M., (1984, p.11-20, eng) 39-1788
- How waves break up inshore fast ice. Squire, V.A., (1984, p.281-285, eng) 39-1823
- Forecasting ice conditions in estuaries of northern rivers. Ivanov, V.V., et al, (1984, p.75-80, rus) 39-2017
- Ice conditions on the Ob' area rivers. Solov'eva, Z.S., (1984, p.81-88, rus) 39-2018
- Influence of atmospheric factors on river-ice breakup. Solov'eva, Z.S., (1984, p.89-96, rus) 39-2019
- Estimating ice breakup dates for rivers of the Kara Sea basin. Nalimov, I.U.V., et al, (1984, p.97-110, rus) 39-2020
- Model of ice breakup in the marginal ice zone. Smedstad, O.M., et al, (1985, p.876-882, eng) 39-2357
- Changes in the Canadian definitions of break-up and freeze-up. Catchpole, A.J.W., et al, (1974, p.133-138, eng) 39-2499
- Hydroelectric stations on Siberian rivers. Gotlib, I.A.L., (1984, p.86-90, eng) 39-2548
- Sea ice variations in the Weddell Sea. Glode, P., et al, (1983, p.195-199, eng) 39-2612
- Discharge of ice-choked streams during spring breakup. Sherstone, D.A., (1980, 69p., eng) 39-2702
- Yukon river breakup: the 82-year record. Fountain, A.G., (1984, p.20-24, eng) 39-2762
- Effect of air temperature on the duration of lake ice cover. Laasanen, O., (1984, p.57-67, eng) 39-3470
- River ice breakup. Beltaos, S., (1984, p.365-386, eng) 39-3506
- Summer season along Hudson Bay, 19th century. Wilson, C.V., (1985, 38p. + figs., eng) 39-3691
- Ice bridges**
See: Ice crossings
- Ice caps**
See: Ice sheets
- Ice chemistry**
Core drilling of Vernagtferner, Austrian Alps. Oerter, H., et al, (1983, p.1-11, eng) 39-43
- Core drilling on Vernagtferner (Oetzal Alps, Austria) in 1979: tritium contents. Oerter, H., et al, (1983, p.13-22, eng) 39-44
- Core drilling on Vernagtferner (Oetzal Alps, Austria) in 1979: deuterium and oxygen-18 contents. Stichler, W., et al, (1983, p.23-35, eng) 39-45
- Measurements of hydrogen peroxide in polar ice samples. Neftel, A., et al, (1984, p.43-45, eng) 39-2355
- Adsorption of organic substances on dispersed ice surfaces. Fedoseeva, V.I., et al, (1985, p.124-127, rus) 39-3363
- Methods of studying frozen rocks and ice. Sav'ev, B.A., (1985, 222p., rus) 39-4059
- Ice composition**
Liquid conductivity of a 44-meter firn core, McMurdo Ice Shelf. Palais, J.M., et al, (1983, p.106-107, eng) 39-6
- Ross Ice Shelf oxygen isotope profile at J-9. Grootes, P.M., et al, (1983, p.107-109, eng) 39-7
- Detailed studies of tephra layers in the Byrd Station ice core. Preliminary results and interpretation. Palais, J.M., et al, (1983, p.109-110, eng) 39-8
- Radioactive dating of Byrd core and Allan Hills ice. Fireman, E.L., (1983, p.111, eng) 39-9
- Core processing and analyses of ice cores drilled at the South Pole. Stauffer, B., et al, (1983, p.114-116, eng) 39-12
- South Pole pit stratigraphic studies. Mosley-Thompson, E., et al, (1983, p.116-118, eng) 39-13
- Chemistry of precipitation in relation to precipitation type. Warburton, J.A., (1982, p.379-386, eng) 39-20
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- Isotopes in antarctic research. (1984, 132p., eng) 39-126
- Temporal variations in the 10 Be concentration levels found in the Dye 3 ice core, Greenland. Beer, J., et al, (1984, p.16-17, eng) 39-165
- Late-glacial maximum-Holocene atmospheric and ice-thickness changes from Antarctic ice-core studies. Lorius, C., et al, (1984, p.88-94, eng) 39-179
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- Filchner-Ronne Ice Shelf programme, Report 2 (1985). Kohnen, H., comp, (1985, 136p., ger) 39-2799
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- Chemical composition of ice core from Dye 3, Greenland. Herron, M.M., et al, (1985, p.77-84, eng) 39-3570
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- Bering Sea crude oil transportation systems. Padron, D.V., et al, (1985, p.989-997, eng) 39-3237
- Single point mooring for the Bering Sea. Loure, R., et al, (1985, p.998-1008, eng) 39-3238
- North Sea technology transfer to the Bering Sea. Madsen, J., et al, (1985, p.1009-1017, eng) 39-3239
- Dec-water platform solutions for the Navarin Basin. Wang, F.S., et al, (1985, p.1018-1026, eng) 39-3240

Ice conditions (cont.)

- Ice cover thickness and weather conditions, upper St. Lawrence River. Shen, H.T., et al., 1982, 191p, eng. 39-3271
- Design, installation, and performance of a berm-supported exploration structure in the Beaufort Sea. Hewitt, K.J., et al., 1985, p.188-194, eng. 39-3288
- Engineering in the Alaskan offshore. Sackinger, W.M., 1985, p.44-49, eng. 39-3328
- Canadian perspective on Arctic offshore operations. Crossdale, K.R., 1985, p.50-54, eng. 39-3329
- Oil, strategy & ocean law in the Arctic: a scenario for the 21st century. Ostreng, W., 1985, p.99-116, eng. 39-3335
- Arctic fixed platforms for deep water. Crossdale, K.R., 1985, p.169-180, eng. 39-3336
- Ice conditions and fixed platforms. Jumppanen, P., 1985, p.181-192, eng. 39-3337
- Submarines in perspective. Jacobsen, L., 1985, p.215-217, eng. 39-3341
- Steel structures for the Arctic Ocean. Itoh, K., 1985, p.219-234, eng. 39-3342
- Great Lakes winter weather and ice conditions. Assel, R.A., et al., 1985, p.291-303, eng. 39-3391
- Science program for an imaging radar receiving station in Alaska. Weller, G., et al., 1983, 45p., eng. 39-3415
- Canadian Symposium on Remote Sensing, 1983. 1984, 840p., eng. 39-3439
- Toward a radar surveillance system for Lake Melville/Offshore Labrador. Parashar, S., et al., 1984, p.293-300, eng. 39-3445
- Frazil concentration measurement in the laboratory and in the field. Tsang, G., 1984, p.99-111, eng. 39-3474
- Effect of hull plating roughness on the passability of ship in ice. Ensalimskii, A.V., et al., 1984, p.343-352, eng. 39-3492
- Theoretical and measured ice forces on wide structures. Sanderson, T.J.O., 1984, p.151-207, eng. 39-3498
- Exploration and production concepts and projects for Arctic offshore. Frederking, R.M.W., 1984, p.387-414, eng. 39-3507
- Problems of the Arctic and Antarctic, Vol.51, 1977. Treshnikov, A.F., ed., 1984, 184p., eng. 39-3643
- Formation of average monthly air temperatures during the period of winter cooling of the sea in the western part of the Arctic. Ivanov, V.V., 1984, p.33-41, eng. 39-3648
- Influence of the glacial extent of the Barents and Kara seas on the air temperature in winter in the western part of the Arctic. Ivanov, V.V., 1984, p.42-50, eng. 39-3649
- Long term forecasting of the state of Chukchi polynyas in spring. Arkinen, A.I., 1984, p.51-56, eng. 39-3650
- Forecasting spring ice conditions in the Anadyr Bay. Arkinen, A.I., 1984, p.57-67, eng. 39-3651
- Mathematical model for sea ice. Appel, I.L., et al., 1984, p.68-72, eng. 39-3652
- Peculiarities of heat exchange between the atmosphere and ocean in the Arctic Basin. Makhtas, A.P., 1984, p.102-108, eng. 39-3656
- Arctic underwater operations. Rey, L., ed., 1985, 356p., eng. 39-3673
- Arctic operations. Goodfellow, R., 1985, p.271-282, eng. 39-3674
- Ice conditions in the Arctic. Sanderson, T.J.O., 1985, p.283-296, eng. 39-3675
- One-man submersibles. Boulton, S.B., 1985, p.305-310, eng. 39-3677
- Arctic research needs in civil engineering. Haneman, V., ed., 1985, 199p., eng. 39-3715
- Lake Erie ice scour investigation. Comfort, G., et al., 1985, p.55-59, eng. 39-3757
- Ice gouge in relation to sea-ice zonation, Beaufort Sea. Barnes, P.W., et al., 1985, p.185-219, eng. 39-3764
- Oceanographic cruise to the Greenland Sea, Aug.-Sep. 1984. Bourke, R.H., et al., 1985, 28p. + charts, eng. 39-3896
- Propulsion tests in level ice on a model of a 140-ft WTGB icebreaker. Tatnelaux, J.C., 1985, 13p., eng. 39-3956
- See also: Sea ice distribution
- Ice (construction material)**
- Stefan problem applicable to the thermal regime of ice structures. Aksenov, B.G., et al., 1984, p.18-20, rus. 39-3323
- Engineering and geocryological investigations. Derugin, A.G., ed., 1994, 76p., rus. 39-407
- Ice platform artificially built on sea ice cover. Latalin, D.A., et al., 1984, p.48-52, rus. 39-417
- API bulletin on planning, designing, and constructing fixed offshore structures in ice environments. 1982, 49p., eng. 39-1383
- Reinforced underwater ice berm. Michel, B., 1985, p.281-285, eng. 39-2425
- Natural ice piers. Dubrovnik, L.I., 1983, p.86-88, eng. 39-2597
- Spray-cone method of upbuilding ice masses in Spitsbergen. Gokhman, V.V., et al., 1984, p.231-237, rus. 39-2797
- Offshore structures in the Barents Sea. 1984, p.17-26, eng. 39-2874
- Problems in runway construction on deep snowfields. Barthelmy, J.L., 1978, 35p., eng. 39-3084
- Ice as a construction material in the offshore Arctic. Duthweiler, F.C., et al., 1985, p.634-642, eng. 39-3211
- Ice control**
- Performance of the Allegheny River ice control structure, 1983. Deck, D.S., et al., 1984, 15p., eng. 39-381
- How to control ice formation on natural-draft cooling towers. Adams, T.A., Jr., 1983, p.45-47, eng. 39-489
- Controlling river ice to alleviate ice jam flooding. Deck, D.S., 1984, p.524-528, eng. 39-614
- Ice management in the Labrador Sea. Miller, J.D., et al., 1984, p.45-49, eng. 39-738
- Optimizing deicing chemical application rates. Minsk, L.D., 1982, 55p., eng. 39-1270
- Improved ice control with better understanding of thermal regime of the international section of St. Lawrence River. Bunte-Bisnett, D., et al., 1984, p.371-386, eng. 39-1472
- Thermal protection system for the space shuttle external tank. Ronquillo, L., et al., 1984, p.228-250, eng. 39-1734
- IAHR Ice Symposium, 7th, Hamburg, Aug. 27-31, 1984. 1984, 2 vols., eng. 39-1750
- Concept and experience in controlling the ice regime on the Yugoslav reach of the Danube after the construction of the Iron Gate dam. Petković, S., et al., 1984, p.291-302, eng. 39-1777
- Ice management for Beaufort Sea production harbours. Andersen, P.F., et al., 1984, p.303-314, eng. 39-1778
- Methods of ice control for winter navigation in inland waters. Frankenstein, G.E., et al., 1984, p.329-337, eng. 39-1780
- Ice sheet retention structures. Perham, R.E., 1984, p.339-348, eng. 39-1781
- Kulluk extends the Arctic offshore drilling season. Frankovich, E.W., 1984, 17p. + figs., eng. 39-1846
- Caisson Retained Island (CRI) the first year of operation. Comyn, M.I., 1984, 12p., eng. 39-1847
- Environmental and performance monitoring for offshore Arctic exploration structures. Dixit, B.C., et al., 1984, 10p. + figs., eng. 39-1856
- Development of new structures combined with use of rubble fields. Potter, R.E., 1984, 18p., eng. 39-1860
- Good results, advanced fleet bring Gulf to Arctic forefront. Cottrill, A., 1984, p.24-31, eng. 39-1939
- Ice navigation: report. 1984, 11p., eng. 39-2035
- Guide to winter maintenance equipment and materials. 1984, p.15-37, eng. 39-2729
- Asphalt pavements modified with rubber particles. Esch, D., 1984, 35p. + append., eng. 39-2838
- Highway snow and ice control: state-of-the-art. Gustafson, K., 1984, 102p., swe. 39-2870
- Controlling river ice to alleviate ice jam flooding. Deck, D., 1984, p.69-76, eng. 39-3471
- Feasibility of ice control below high-head hydro projects. Liapin, V.E., et al., 1984, p.77-87, eng. 39-3472
- Ice protection equipment for port and ship repair yards. Ivanov, L.V., et al., 1984, p.89-97, eng. 39-3473
- Rubble-protected drilling systems developments. Graham, B.W., et al., 1984, p.113-125, eng. 39-3475
- Ice engineering in 1984. Michel, B., 1984, p.301-325, eng. 39-3503
- Highway snow and ice control. State-of-the-art. Gustafson, K., 1985, 124p., eng. 39-3794
- Experiments with unsalted roads in winter, Sweden. Björketun, U., et al., 1984, 63p., swe. 39-3796
- Pavement deicer. Hinrichs, B.F., 1970, 6 col. + figs., eng. 39-3839
- Ice and snow control by mineral material and skid resistance. Hoffmann, G., et al., 1985, p.139-146, ger. 39-3894
- Ice and snow control without salt on streets. Hoffmann, G., et al., 1985, p.205-210, ger. 39-3895
- Anti-icer and de-icer compositions. Baker, J.C., et al., 1975, 14p., eng. 39-3971
- See also: Ice prevention
- Ice cores**
- Ross Ice Shelf oxygen isotope profile at J-9. Grootes, P.M., et al., 1983, p.107-109, eng. 39-7
- Radioactive dating of Byrd core and Allan Hills ice. Fireman, E.L., 1983, p.111, eng. 39-9
- 237-meter ice core from South Pole station. Kuivinen, K.C., 1983, p.113-114, eng. 39-11
- Core processing and analyses of ice cores drilled at the South Pole. Stauffer, B., et al., 1983, p.114-116, eng. 39-12
- South Pole ice core processing and microparticle analysis. Mosley-Thompson, E., et al., 1983, p.118-119, eng. 39-14
- Core drilling of Vernagtferner, Austrian Alps. Oerter, H., et al., 1983, p.1-11, eng. 39-43
- Core drilling on Vernagtferner (Oetzal Alps, Austria) in 1979: tritium contents. Oerter, H., et al., 1983, p.13-22, eng. 39-44
- Core drilling on Vernagtferner (Oetzal Alps, Austria) in 1979: deuterium and oxygen-18 contents. Stichler, W., et al., 1983, p.23-35, eng. 39-45
- Dating of ice cores from Vernagtferner (Austria) with fission products and lead-210. Gunten, H.R. von, et al., 1983, p.37-45, eng. 39-46
- Symposium on Ice and Climate Modeling, 1983. 1984, 243p., eng. 39-162
- Mechanical properties of Dye 3 Greenland deep ice cores. Azuma, N., et al., 1984, p.1-8, eng. 39-163
- Temporal variations in the 10 Be concentration levels found in the Dye 3 ice core, Greenland. Beer, J., et al., 1984, p.16-17, eng. 39-165
- Late-glacial maximum-Holocene atmospheric and ice-thickness changes from Antarctic ice-core studies. Lorius, C., et al., 1984, p.88-94, eng. 39-179
- Lake sediments as continental delta O-18 records from the glacial/post-glacial transition. Siegenthaler, U., et al., 1984, p.149-152, eng. 39-189
- Transient temperature changes due to increasing CO2 using simple models. Siegenthaler, U., et al., 1984, p.153-159, eng. 39-190
- Atmospheric CO2 concentration during the last glaciation. Stauffer, B., et al., 1984, p.160-164, eng. 39-191
- Correlation between crystallographic axes and the shape of single crystal in glaciers. Ohtomo, M., et al., 1983, p.498-504, eng. 39-210
- Ice core analysis, Penny Ice Cap, Baffin Island. Holdsworth, G., 1984, p.3-15, eng. 39-236
- Baseline acidity of ancient precipitation from the South Pole. Cragin, J.H., et al., 1984, 7p., eng. 39-387
- Ice-cored lateral moraines in Tarfala Valley, Swedish Lapland. Ackert, R.P., Jr., 1984, p.79-88, eng. 39-457
- Equipment for determining salt composition of sea ice. Pivovarov, S.V., et al., 1984, p.113-119, rus. 39-473
- Oxygen isotopic ratios of some Himalayan glaciers. Nijampurkar, V.N., et al., 1984, p.300-302, eng. 39-596
- Distinguishing annual layers in firn-ice cores. Glazyrin, G.E., et al., 1984, p.79-92, rus. 39-638
- Precipitation of atmospheric dust on mountain glacier surfaces. Glazyrin, G.E., et al., 1984, p.120-125, rus. 39-643
- Tropical glaciers: potential for ice core paleoclimatic reconstructions. Thompson, L.G., et al., 1984, p.4638-4646, eng. 39-759
- Studies of ice formation and ice fabric on the Law Dome, Antarctica. Xie, Z., 1984, p.1-22, chi. 39-930
- Microparticles in ice cores from Antarctica and Greenland. Thompson, L.G., 1984, p.25-32, chi. 39-931
- Paleoceanography of the southern ocean. Burckle, L.H., 1984, p.241-261, eng. 39-954
- Study of the granulometric composition of ice core trace elements at Vostok Station by an electrooptical method. Barkov, N.I., et al., 1984, p.26-33, rus. 39-1007
- Soluble and insoluble impurities in Vostok ice core and climatic implications. De Angelis, M., et al., 1984, p.215-239, eng. 39-1132
- C-13/C-12 ratios in CO2 extracted from antarctic ice. Friedli, H., et al., 1984, p.1145-1148, eng. 39-1422
- Data from antarctic ice cores on CO2, climate, aerosols, and changes in ice thickness. Lorius, C., 1984, p.49-62, eng. 39-1499
- Glaciological studies of the Filchner Ice Shelf, 1983/84. Reinwarth, O., et al., 1984, p.37-52, ger. 39-1600
- Relationship between bore hole closure and ice crystal structure. Thwaites, R.J., et al., 1984, p.171-179, eng. 39-1672
- Late winter chlorophyll a distributions in the Weddell Sea. Marra, J., et al., 1984, p.197-205, eng. 39-1826
- Pollen analysis of the 1973 ice core from Devon Island glacier, Canada. McAndrews, J.H., 1984, p.68-76, eng. 39-2062
- Arctic ice shelf studies, Spring 1983. Jeffries, M.O., 1983, 31p., eng. 39-2207
- Isotope variations in ice cores from Ellesmere Island. N.W.T. Jeffries, M.O., 1983, 37p., eng. 39-2208
- Measurements of hydrogen peroxide in polar ice samples. Neftel, A., et al., 1984, p.43-45, eng. 39-2355
- Soluble impurities in the Byrd Station ice core. Palais, J.M., et al., 1985, p.1143-1154, eng. 39-2365
- Ice core science trench for use by glaciologists on the Greenland ice sheet. Tillson, R.A., et al., 1983, p.584-590, eng. 39-2632
- Structural and stratigraphic studies of Spitsbergen ice cover. Zagorodnov, V.S., et al., 1984, p.119-126, rus. 39-2777
- Quaternary paleoclimatology. Methods of paleoclimatic reconstruction. Bradley, R.S., 1985, 472p., eng. 39-2885
- Record of global pollution in polar snow and ice. Wolff, E.W., et al., 1985, p.535-540, eng. 39-2927
- Late-Glacial climatic history from ice cores. Oeschger, H., et al., 1983, p.95-107, eng. 39-3146
- Studying climatic change from Canadian High Arctic ice cores. Koerner, R.M., et al., 1981, p.195-218, eng. 39-3282
- Ice cores data. climatic and environmental changes since the last glacial maximum. Lorius, C., 1983, p.37-49, fre. 39-3526
- Greenland ice core. geophysics, geochemistry, and the environment. Langway, C.C., Jr., ed., 1985, 118p., eng. 39-3559
- Greenland Ice Sheet Program in perspective. Langway, C.C., Jr., et al., 1985, p.1-8, eng. 39-3560

- Contribution of ice core studies to the understanding of environmental processes. Oeschger, H., 1985, p.9-17, eng 39-3561
- Ultrasonic velocities and crystalline anisotropy in ice core. Herron, S.L., et al., 1985, p.23-31, eng 39-3563
- Measurements of a kind of DC-conductivity on cores from Dye 3. Neftel, A., et al., 1985, p.32-38, eng 39-3564
- Mechanical properties of fresh ice core from Dye 3, Greenland. Shoji, H., et al., 1985, p.39-48, eng 39-3565
- Dating the Dye 3 deep ice core by flow model calculations. Reeh, N., et al., 1985, p.57-65, eng 39-3567
- Be-10 variations in polar ice cores. Beer, J., et al., 1985, p.66-70, eng 39-3568
- Dating and climatic interpretation of two deep Greenland ice cores. Dansgaard, W., et al., 1985, p.71-76, eng 39-3569
- Chemical composition of ice core from Dye 3, Greenland. Herron, M.M., et al., 1985, p.77-84, eng 39-3570
- CO₂ concentration in air extracted from Greenland ice samples. Stauffer, B., et al., 1985, p.85-89, eng 39-3571
- Continuous impurity analysis along the Dye 3 deep core. Hammer, C.U., et al., 1985, p.90-94, eng 39-3572
- Fallout from the atmosphere in the Arctic and Antarctic. Koide, M., et al., 1985, p.95-100, eng 39-3573
- Steady-state prediction of Dye 3 core features. McInnes, B., et al., 1985, p.111-117, eng 39-3576
- Bore-hole survey at Dye 3, south Greenland. Gundestrup, N.S., et al., 1984, p.282-288, eng 39-3776
- Plio-Pleistocene glacial sequence cored at Ferrar Fjord. Barrett, P.J., 1985, p.8-19, eng 39-3864
- Ocean-atmosphere systems modes of operation. Broecker, W.S., et al., 1985, p.21-26, eng 39-3890
- Atmospheric CO₂ increases shown in polar ice cores. Neftel, A., et al., 1985, p.45-47, eng 39-3891
- Atmospheric CO₂ variations in antarctic ice cores. Raynaud, D., et al., 1985, p.309-311, eng 39-3892
- Atmospheric pollution registered in ice cores and snow. Alderton, D.H.M., et al., 1985, p.97-153, eng 39-3905
- Devon Island ice core and the glacial record. Koerner, R.M., et al., 1985, p.309-327, eng 39-3935
- Ice coring drills**
- 237-meter ice core from South Pole station. Kuvinen, K.C., 1983, p.113-114, eng 39-11
- Development of ice core drilling equipment and technology. Kudriashov, B.B., et al., 1983, p.574-583, eng 39-2631
- Structural and stratigraphic studies of Spitsbergen ice cover. Zagorodnov, V.S., et al., 1984, p.119-126, rus 39-2777
- Ice core drilling on the Filchner and Ronne Ice Shelves. Jessberger, H.L., et al., 1985, p.32-41, ger 39-2803
- Mechanical drill systems for the 25th Japanese Antarctic Research Expedition. Suzuki, Y., et al., 1984, p.188-196, eng 39-3461
- Battery powered, instrumented deep ice core drill for liquid filled holes. Gundestrup, N.S., et al., 1985, p.19-22, eng 39-3562
- Ice excavation techniques. Suzuki, Y., 1985, p.24-38, eng 39-3954
- Ice cover**
- Search for meteorites in the Allan Hills/Elephant Moraine area, 1982-1983. Cassidy, W.A., et al., 1983, p.81-82, eng 39-1
- Sea-ice budget studies of Baffin Bay using a numerical ice model. Kelihier, T.E., et al., 1984, p.75-80, eng 39-176
- Remote sensing of weather and climate parameters. Suaskind, J., et al., 1984, p.4677-4697, eng 39-761
- Carbon dating of plants and guano, and glaciological implications. Hebert, D., 1983, p.64-73, ger 39-788
- Management of ice-covered rivers: problems and perspectives. Davar, K.S., et al., 1981, p.245-253, eng 39-1152
- Antarctic infrastructure and policy of access to the continent. Lopetegui Torres, J., 1984, p.161-177, spa 39-2194
- Flexural-gravity waves in an ice cover induced by a moving load. Khrapaty, N.G., et al., 1985, p.315-320, eng 39-2430
- Feature identification and location experiment. Sivertson, W.E., Jr., et al., 1982, p.1031-1033, eng 39-2903
- Explosive obscuration sub-test results at the SNOW-TWO field experiment. Ebersole, J.F., et al., 1984, p.347-354, eng 39-2973
- Eurasian snow cover extent: the NOAA satellite record, 1966-79. Matson, M., et al., 1980, p.142-152, eng 39-3131
- Historic cartographic evidence for Holocene changes in the antarctic ice cover. Weihsaupt, J.G., 1984, p.493-501, eng 39-3634
- Determining wind stress on ice cover surface. Appel, I.L., 1984, p.73-77, eng 39-3653
- Ice cover distribution**
- See: Ice conditions; Sea ice distribution
- Ice cover effect**
- Systematic unequal dissection of opposing valley sides. Liebling, R.S., et al., 1983, p.512-514, eng 39-213
- Wave dispersion under ice cover. Arunachalam, V.M., et al., 1984, p.211-226, eng 39-228
- Nitrogen removal in wastewater ponds. Reed, S.C., 1984, 26p., eng 39-386
- Radar propagation in brackish water with ice cover effect. Klein, K., et al., 1984, 123p., eng 39-532
- HF propagation over horizontally uniform first year sea ice. Klein, K., et al., 1983, 131p., eng 39-533
- Light transmission in a lake covered with snow and ice. Adams, W.A., et al., 1984, p.65-71, eng 39-540
- Current temperature and salinity beneath George VI Ice Shelf. Loynes, J., et al., 1984, p.1037-1055, eng 39-1004
- Water masses and circulation in the region of Prydz Bay, Antarctica. Smith, N.R., et al., 1984, p.1121-1147, eng 39-1005
- Seasonal change of chlorophyll *a* in Lützow-Holm Bay. Fukuchi, M., et al., 1984, p.51-59, eng 39-1068
- Paralabidocera antarctica* occurrence and age composition at Showa Station. Tanimura, A., et al., 1984, p.81-86, eng 39-1069
- Fate of DDTs, PCBs and chlordanes compounds in the antarctic marine ecosystem. Hidaka, H., et al., 1984, p.151-161, eng 39-1070
- Modeling unsteady flow in an ice covered river. Forsius, J., 1984, p.31-310, eng 39-1286
- Graphical ice reduction. Hyvärinen, V., 1984, p.311-314, eng 39-1287
- Hydraulics of river ice—a summary. Santeford, H.S., 1984, p.3.25-3.55, eng 39-1289
- Bank recession of Corps of Engineers reservoirs. Gatto, L.W., et al., 1983, 103p., eng 39-1371
- Measurement and modelling of freshwater plumes under an ice cover. Freeman, N.G.S., 1982, n.p., eng 39-1446
- Flood protection with ice cover on the Saint Charles River, Quebec City. Monflet, J., et al., 1984, p.159-179, fre 39-1462
- West antarctic sea ice. Ackley, S.F., 1984, p.88-95, eng 39-1502
- M1 winter tank test (traction devices). Final report. Smith, R.L., 1982, 38p., eng 39-1516
- Soviet ability to fire through ice creates new SLBM basing mode. Covalut, C., 1984, p.16-17, eng 39-1581
- Depolarizing effects of rain and ice on satellite links. Runyon, D.L., Jr., et al., 1983, 299p., eng 39-1715
- Backwater profiles on hydroelectric reservoir with ice cover. Majewski, W., 1984, p.255-264, eng 39-1774
- Strategic hydro power operation at freeze-up reduces ice jamming. Billfalk, L., 1984, p.265-275, eng 39-1775
- Analysis of river ice resistance from measured velocity profiles. Davar, K.S., et al., 1984, p.349-358, eng 39-1782
- Analysis of rapidly varying flow in ice-covered rivers. Ferrick, M.G., 1984, p.359-368, eng 39-1783
- Unsteady flow model of river ice hydraulics. Yapa, P.N.D.D., et al., 1984, p.369-377, eng 39-1784
- Procedure for calculating river flow rate under an ice cover. Alger, G.R., et al., 1984, p.389-398, eng 39-1786
- Ice interaction with structures: recent developments and future trends. Crossdale, K.R., 1984, 22p., eng 39-1855
- Study of the M2 tide in the ice-covered Arctic Ocean. Kowalik, Z., 1981, p.201-223, eng 39-2001
- Ice-induced vertical circulation in an Arctic fiord. Horne, E.P.W., 1985, p.1078-1086, eng 39-2362
- Mooring and anchoring in ice-infested waters. Owen, D.G., et al., 1985, p.424-431, eng 39-2383
- Flow resistance of ice-covered streams. Chee, S.P., et al., 1984, p.815-823, eng 39-2494
- Transverse mixing characteristics of open and ice-covered channel flows. Engmann, E.O., 1974, 267p., eng 39-2552
- Discharge of ice-choked streams during spring breakup. Sherstone, D.A., 1980, 69p., eng 39-2702
- Arctic marine acoustics. Kutschale, H.W., 1984, 229p., eng 39-2831
- Conferences 1961 to 1981, bibliography. 1984, 165p., eng 39-2840
- Influence of marginal ice cover on storm surges. Murty, T.S., et al., 1985, p.329-336, eng 39-3036
- Effect of ice cover on hydropower production. Yapa, P.D., et al., 1984, p.231-234, eng 39-3096
- Numerical modelling of Arctic sea ice: review and preliminary results. Van Ypersele, J.P., 1983, p.193-199, eng 39-3150
- Ice and hydrographic effects on Barents Sea phytoplankton. Rey, F., et al., 1983, p.49-63, eng 39-3155
- Oil spill response technology for the Arctic. Shafer, R.V., 1985, p.354-361, eng 39-3185
- Arctic sea water intake for sedimentation and wave effects. Cox, J.C., et al., 1985, p.714-722, eng 39-3217
- Strudel scour an Arctic seafloor scouring process. Johnson, T.L., 1985, p.745-753, eng 39-3219
- Deep water Bering Sea development concepts. Gunzelman, S.X., 1985, p.971-979, eng 39-3236
- Microorganism survival in an ice-covered river. Putz, G., et al., 1984, p.177-186, eng 39-3372
- Regional difference of attenuation of radio waves within antarctic ice sheet. Ohmae, H., et al., 1984, p.152-159, eng 39-3458
- Natural oscillations of an ice-covered channel. Green, T., 1984, p.313-320, eng 39-3781
- Ice cover strength**
- Medium-range forecasting of ice breakup on rivers. Margolin, L.M., et al., 1984, p.50-57, rus 39-437
- Calculating ice growth and deterioration on lakes. Poliakova, K.N., et al., 1984, p.57-73, rus 39-438
- Calculating ice cover strength on rivers. Zabelina, E.F., 1984, p.73-81, rus 39-439
- Ice deterioration. Ashton, G.D., 1984, p.31-38, eng 39-481
- Determination of the bearing capacity of antarctic ice. Kormilov, N.A., et al., 1984, p.41-46, rus 39-1009
- Bearing strength of fast ice and antarctic transport operations during the spring-summer period. 1979, p.15-30, eng 39-1366
- Geophysical and glaciological investigations near Filchner and GVN Stations. Thyssen, F., et al., 1984, p.64-70, ger 39-1603
- Model tests and in situ behaviour of prestressed anchors in snow and ice. Jessberger, H.L., et al., 1984, p.21-32, eng 39-1789
- Instrumented auger for vertical survey of ice "hardness". Harmon, D.J., et al., 1984, p.385-392, eng 39-1819
- Formulas for calculating ice cover strength. Fomichev, B.S., et al., 1984, p.97-102, rus 39-2073
- Some aspects of antarctic engineering. Retamal, E., 1984, p.147-159, spa 39-2193
- Load bearing capacity of an ice cover subjected to concentrated loads. Fransson, L., 1985, p.170-176, eng 39-2410
- Synoptic ice dynamics and atmospheric circulation during the Bering Sea Experiment. Campbell, W.J., et al., 1982, p.158-179, eng 39-2740
- Study of the elastic properties of sea ice in the Bering Sea. Gavrilov, V.P., et al., 1982, p.180-185, eng 39-2741
- Analysis of the results of measurements of ice cover characteristics (Option C). Rabinovich, I.L., et al., 1982, p.289-307, eng 39-2748
- Method for weakening the ice cover in northern rivers. Manikyan, V., et al., 1985, p.239-250, eng 39-3177
- Sand and gravel on Alaska's North Slope. Williams, D.C., et al., 1985, p.626-633, eng 39-3210
- Spalling and buckling of ice sheets. Wierzbicki, T., 1985, p.953-961, eng 39-3234
- Deterioration of floating ice covers. Ashton, G.D., 1985, p.177-182, eng 39-3286
- See also: Ice strength
- Ice cover thickness**
- On the Far Eastern meridians. Vol'mer, I.U., 1984, p.20-23, rus 39-124
- Last reconnaissance. Popov, S., 1984, p.23-25, rus 39-125
- Sea-ice and snow-cover data availability, needs and problems. Barry, R.G., et al., 1984, p.9-15, eng 39-164
- Late-glacial maximum-Holocene atmospheric and ice-thickness changes from Antarctic ice-core studies. Lorus, C., et al., 1984, p.88-94, eng 39-179
- Cross-sectional model for West Antarctica. McInnes, B.J., et al., 1984, p.95-99, eng 39-180
- Optimum form of pulses in radar sounding of sea ice. Finkel'shtein, M.I., 1971, p.2179-2182, eng 39-359
- On the role of ice interaction in marginal ice zone dynamics. Leppäranta, M., et al., 1984, p.23-29, eng 39-364
- Influence of stratospheric circulation, water temperature in the northern Atlantic Ocean, and clouds over the Atlantic, on the dates of ice appearance on rivers of the European part of the USSR. Ginzburg, B.M., et al., 1984, p.17-30, rus 39-435
- Modeling freezeup of slush-bearing rivers. Abramchenkov, N.M., 1984, p.30-49, rus 39-436
- Medium-range forecasting of ice breakup on rivers. Margolin, L.M., et al., 1984, p.50-57, rus 39-437
- Calculating ice growth and deterioration on lakes. Poliakova, K.N., et al., 1984, p.57-73, rus 39-438
- Calculating ice cover strength on rivers. Zabelina, E.F., 1984, p.73-81, rus 39-439
- Accuracy of radar echo measurements of ice thickness. Il'it, G.A., 1984, p.20-37, rus 39-461
- Radar reflections from layers with rough boundaries. Il'it, G.A., 1984, p.37-51, rus 39-462
- Ice conditions of the St. Lawrence River, 1971-1981. Greene, G.M., 1984, 19p., eng 39-478
- Topography at Showa Station based on gravity measurements. Nagao, T., 1984, p.20-29, jpn 39-549
- Ice disruption by natural heat of underlying sea. Bogorodskii, V.V., et al., 1983, p.52-56, eng 39-590
- Macrofeatures of the stressed state of ice cover. Kupetskiy, V.N., 1984, p.17-23, eng 39-683
- Isotope geochemistry on Vasilov Glacier. Vaikmaa, R.A., et al., 1984, p.73-79, eng 39-726

Ice cover thickness (cont.)

- Results of geodetic-glaciological work on Hays Glacier
Reppchen, G. (1983, p.58-62, ger) 39-787
- Pipeline construction in cold, swampy regions
Tikhonov, A.I. (1984, 81p, rus) 39-938
- D/E *Gizhiga* operations off Hobbs Coast and organization of the new antarctic station Russkaya
Kornilov, N.A. et al. (1984, p.5-12, rus) 39-1006
- Hydrology and glaciology of the dry valleys, 1980-81
Chinn, T.J. et al. (1983, 64p, eng) 39-1206
- Archaeal and Late Proterozoic rocks on Princess Elizabeth Land
Wellman, P. et al. (1982, p.213-218, eng) 39-1251
- Observations of ice thickness in daily regulated rivers
Laasanen, O. (1984, p.3.15-3.23, eng) 39-1288
- Dynamics of George VI Ice Shelf
Pearson, M.R. et al. (1983, p.205-220, eng) 39-1362
- Glaciological characteristics of Spartan Glacier, Alexander Island
Wager, A.C. et al. (1983, p.221-228, eng) 39-1363
- Computer simulation of ice cover formation in the Upper St. Lawrence River
Shen, H.T. et al. (1984, p.227-245, eng) 39-1466
- Data from antarctic ice cores on CO₂ climate, aerosols, and changes in ice thickness
Lorius, C. (1983, p.49-62, eng) 39-1499
- Flechner-Ronne Ice Shelf programme, Report 1 (1984)
Kohnen, H. comp. (1985, 38p, eng) 39-1528
- Aerial measurements of glaciological and geophysical parameters in Antarctica
Thyssen, F. et al. (1984, p.149-155, ger) 39-1612
- Canals under blizzard conditions
Smirnov, E.A. et al. (1984, p.25-29, eng) 39-1639
- Beaufort Sea ice variability
Ross, B. (1984, p.223-226, eng) 39-1678
- Ice cover thickness of Lake Ladoga
Chizhov, A.N. et al. (1984, p.36-47, rus) 39-1691
- Application of subsurface radar measurement of ice thickness
Mayer, I. et al. (1984, p.325-338, eng) 39-1814
- Glaciological activities of the Vavilov Dome research station
Govorukha, L.S. (1984, p.79-82, rus) 39-1833
- Structure of first-year pressure ridge sails in the Prudhoe Bay region
Tucker, W.B. et al. (1984, p.115-135, eng) 39-1873
- Because a large part of the inland ice in West Antarctica lies on a bed far below sea level, the ice sheet is theoretically capable of an unstable and rapid shrinkage
Bentley, C.R. (1983, p.1V.3-IV.50, eng) 39-2277
- Ice thickness distribution in Davis Strait in February from submarine sonar profiles
Wadhams, P. et al. (1985, p.1069-1077, eng) 39-2361
- Calculating sea ice thickness in the Arctic
Efimova, N.A. (1984, p.3-10, rus) 39-2378
- Determining the characteristic length of floating ice sheets by moving loads
Sodhi, D.S. et al. (1985, p.155-159, eng) 39-2408
- JARE glaciological research in Queen Maud Land, 1983
Nakawo, M. et al. (1984, 80p, map, eng) 39-2484
- Unified degree-day method for river ice cover thickness simulation
Shen, H.T. et al. (1985, p.54-62, eng) 39-2513
- USSR/USA Bering Sea Experiment, Proceedings
Kondrat'ev, K.I.A. ed. (1982, 307p, eng) 39-2737
- Results of the Bering Sea Experiment
Kondrat'ev, K.I.A. et al. (1982, p.1-8, eng) 39-2738
- Synoptic ice dynamics and atmospheric circulation during the Bering Sea Experiment
Campbell, W.J. et al. (1982, p.158-179, eng) 39-2740
- Study of the elastic properties of sea ice in the Bering Sea
Gavrilov, V.P. et al. (1982, p.180-185, eng) 39-2741
- Ice thickness distribution as inferred from in-trait and microwave remote sensing during the Bering Sea Experiment
Gloersen, P. et al. (1982, p.275-285, eng) 39-2747
- Analysis of the results of measurements of ice cover characteristics (Option C)
Rabinovich, H.F. et al. (1982, p.289-307, eng) 39-2748
- Hot-water jet-drills for massive ice
Kraschenko, V.A. (1984, p.161-164, rus) 39-2783
- Floating ice thickness measurement
(1985, 76p, eng) 39-2841
- Passive microwave remote sensing for sea ice research
(1984, 55p, eng) 39-2914
- Thickness of ice on perennially frozen lakes
McKay, C.P. et al. (1985, p.561-562, eng) 39-2928
- Ice-sheet modelling for climate studies
Oerlemans, J. (1983, p.157-163, eng) 39-3148
- Santa Fe's mobile Arctic drilling barge
Johnson, G.L. et al. (1985, p.507-516, eng) 39-3200
- Ice cover thickness and weather conditions, upper St. Lawrence River
Shen, H.T. et al. (1982, 191p, eng) 39-3271
- Numerical simulation of Northern Hemisphere sea ice variability, 1951-1980
Walsh, J.E. et al. (1985, p.4847-4865, eng) 39-3431
- Microwave emission contrast between fresh-water ice and water
Malyshechenko, I.I. et al. (1984, p.513-519, eng) 39-3509
- Calculating the redistribution of drifting ice
Maslovskii, M.I. (1984, p.18-24, eng) 39-3646
- Technique of measurement of ice cover thickness in the Ob-Taz inlet
Klimovich, V.M. et al. (1984, p.62-66, eng) 39-3664
- Current methods and results of investigations of the physics of ice and the ocean
Bogofodskii, V.V. (1984, p.71-86, eng) 39-3671
- Determination of loads on an icebreaker tender device
Makseev, A.N. et al. (1985, p.20-21, rus) 39-3746
- Thermodynamic sea ice model
Shore, K.P. et al. (1985, p.2243-2250, eng) 39-3998
- Sensitivity of a thermodynamic sea ice model
Lesley, T.S. (1985, p.2251-2260, eng) 39-3999
- Ice characteristics in the shear zone, Beaufort Sea
Hoare, R.D. et al. (1980, 45p, appendix, eng) 39-4023
- Experimental study of brine upward migration in sea ice
Kasai, T. et al. (1983, p.149-155, eng) 39-4043
- See also: Glacier thickness
- Ice cracks**
- Icequakes and glacier motion, the Hays Glacier, Spitsbergen
Cichowicz, A. (1982, p.27-38, eng) 39-86
- Analysis of the viscoelastic fracture toughness and crack growth in ice
Hamza, H. et al. (1984, p.249-258, eng) 39-401
- Block structure of the ice cover
Borodachev, V.F. (1984, p.24-26, eng) 39-684
- Regularities of the geometry of ice field breakup
Borodachev, V.F. (1984, p.79-91, eng) 39-691
- Direction of ice-wedge cracking in permafrost, down-wind or upward
Mackay, J.R. (1984, p.116-124, eng) 39-818
- Conceptual model of river ice breakup
Bilias, S. (1984, p.516-529, eng) 39-878
- Bearing strength of fast ice and Antarctic transport operations during the spring-summer period
(1979, p.15-30, eng) 39-1366
- Crack propagation in ice
Hamza, H. (1984, p.1-17, eng) 39-1751
- Indentation spalling of edge loaded ice sheets
Palmer, A.C. et al. (1984, p.111-121, eng) 39-1761
- Fine grain model ice
Enkvist, P. et al. (1984, p.217-227, eng) 39-1805
- Mechanics of fracture applied to ice
Miller, K.J. (1984, p.135-146, eng) 39-2307
- Fracture toughness of glacier ice
Andrews, R.M. et al. (1984, p.39-50, eng) 39-2308
- Observation of variations in the composition of sea ice in the Greenland MIZ during early summer 1983 with the NIMBUS S-7 SAMIR
Gloersen, P. et al. (1984, p.373-378, eng) 39-2541
- Grain growth and the creep behavior of ice
Cole, D.M. (1985, p.187-189, eng) 39-2560
- Dynamic forces on an offshore structure from ice flow impacts
Hocking, G. et al. (1985, p.202-210, eng) 39-3173
- Fracture theory for brittle materials with application to ice
Bazant, Z.P. et al. (1985, p.97-106, eng) 39-3231
- Ice creep**
- Model of interactions between ice, stream, ocean and solid ground in West Antarctica
Langbein, C.S. (1985, 165p, eng) 39-23
- Icequakes and glacier motion, the Hays Glacier, Spitsbergen
Cichowicz, A. (1982, p.27-38, eng) 39-86
- Improved nonlinear model for ice
Savitskiy, W. et al. (1984, p.102-105, eng) 39-111
- Cross-section model for West Antarctic ice
McInnes, B.J. et al. (1984, p.48-60, eng) 39-180
- Single integral representations of ice rheology
Wentzel, H.F. (1984, p.89-92, eng) 39-134
- Study of the creep effects upon the response of a pressure sensor employed in ice
Shore, K.P. et al. (1985, p.2243-2250, eng) 39-3998
- Flow law for icebergs and pressure on ice flow structures
Tale, R.C. (1984, 84p, eng) 39-179
- Frictional resistance to ice flow
Nelson, W.A. et al. (1984, p.267-269, eng) 39-401
- New creep equation for ice
Glen, J.W. et al. (1984, p.17-25, eng) 39-404
- Rheology of polycrystalline ice
Glen, J.W. et al. (1985, p.87-96, eng) 39-650
- Laboratory studies of relationships between ice crystal structure and ice flow
Hart, D. et al. (1984, p.10-12, eng) 39-1620
- Creep of icebergs
Glen, J.W. et al. (1984, p.17-25, eng) 39-404
- Viscoelastic buckling of beams and plates on elastic foundation
Spjollund, N.O. (1984, p.63-72, eng) 39-1756
- Behaviour of sea ice plates under long term loading
Timar, R.A. et al. (1984, p.103-112, eng) 39-1760
- Parametric study of long term borehole dilatometer tests in ice
Ladanyi, B. et al. (1984, p.393-404, eng) 39-1820
- Effect of ice strength on crater scaling relations
Gaffney, T.S. (1984, p.127-133, eng) 39-1934
- Role of transient creep in high temperature tensile failure of ice
Siddons, N.K. (1984, p.27-32, eng) 39-2063
- Centrifugal modelling of subglacial permafrost and sea ice
Palmer, A.C. et al. (1985, p.65-69, eng) 39-2397
- Ice sheet indentation resistance in the creep domain
Ladanyi, B. (1985, p.250-254, eng) 39-2421
- Mechanical properties of sea ice - a compilation of available data
Lainey, L. et al. (1984, p.884-923, eng) 39-2495
- Grain growth and the creep behavior of ice
Cole, D.M. (1985, p.187-189, eng) 39-2560
- Doppler satellite measurements on the Antarctic Peninsula
Seeber, G. (1985, p.124-129, ger) 39-2815
- Meteorites in antarctic ice
Cervelle, B. (1984, p.1454-1456, fre) 39-3134
- Creep properties of ice: theory and experiment
Vinogradov, A.M. (1985, p.447-455, eng) 39-3194
- Constitutive equations for ice as a damaging material
Karr, D.G. (1985, p.908-916, eng) 39-3230
- Sea-ice indentation accounting for strain-rate variation
Eng, S.-K. et al. (1985, p.931-941, eng) 39-3232
- Ice load prediction
Vivatrat, V. et al. (1985, p.942-952, eng) 39-3233
- Contribution to the report of the working group on ice testing
Ladanyi, B. (1984, p.43-53, eng) 39-3495
- Mechanical properties of fresh ice core from Dye 3, Greenland
Shoop, H. et al. (1985, p.39-48, eng) 39-3565
- Thermal convection in ice sheets: we look but do not see
Hughes, T. (1985, p.39-48, eng) 39-3723
- Optimal measurement of ice-sheet deformation from surface marker arrays
MacAyeal, D.R. (1985, p.54-58, eng) 39-3725
- Accelerating flow of the Brunt Ice Shelf, Antarctica
Strainis, D.A. et al. (1984, p.377-380, eng) 39-3792
- Meteorites in Antarctica - statistics on falls, concentration, recovery and alteration on ice-sheet
Nagata, T. (1983, p.3-11, eng) 39-3870
- Unsolved problems of creep
Weertman, J. (1985, p.227, eng) 39-3886
- Flow law of ice in polar ice sheets
Doake, C.S.M. et al. (1985, p.255-267, eng) 39-3887
- Glaciological studies on the Ross Ice Shelf, 1973-1978
Thomas, R.H. et al. (1984, p.21-53, eng) 39-4030
- Ice crossings**
- Construction of main pipelines in western Siberia
Iagovkin, V.N. (1984, p.12-13, rus) 39-1031
- Engineering provisions for military action
Kolibernov, T.S. et al. (1984, 287p, rus) 39-1339
- Producing artificial ice layers over large areas
Savitskiy, A.V. (1984, p.224-231, rus) 39-2796
- Spray cone method of upbuilding ice masses in Spitsbergen
Gokhman, V.V. et al. (1984, p.231-237, rus) 39-2797
- Ice crystal growth**
- Fish antifreeze protein and the freezing and recrystallization of ice
Knight, C.A. et al. (1984, p.295-296, eng) 39-18
- Temperature effects of ice crystal production
Hevinfield, A.J. et al. (1984, p.765-770, eng) 39-145
- Growth processes of snow
Lo, K.K. (1983, 192p, eng) 39-744
- Contrasts on "Theory of metamorphism of dry snow"
N.C. Colbeck, Sommerfeld, R.A. (1984, p.4963-4965, eng) 39-763
- Studying the internal structure of hailstones
Tilov, M.I. et al. (1984, p.88-96, rus) 39-927
- Age phenomena in ice lith
Tatibouet, J. et al. (1981, p.147-148, fre) 39-1150
- Ice crystal formation on aerosol particles with a non-spherical surface
Gorbunov, B.Z. et al. (1982, p.21-28, eng) 39-1476
- Ice crystals grown in an unforced air flow cloud chamber
Yamashita, A. et al. (1984, p.135-149, eng) 39-1735
- Dynamics ofrazil ice formation
Daly, S.F. et al. (1984, p.161-172, eng) 39-1765
- Nucleation and growth of ice in solutions
MacFarlane, D.R. (1982, 41p, eng) 39-2005
- Ice crystal growth in forced convection system
Dash, S.K. (1983, 132p, eng) 39-2010
- Coarsening and evaporation of ice crystals from the vapor phase
Beckmann, W. et al. (1982, p.425-451, eng) 39-2887
- Dimethyl sulfoxide and soil structure during freeze-drying
Ker, J.C.W. et al. (1985, p.284-293, eng) 39-2935
- Surface melting
Nemow, D. (1984, p.185-225, eng) 39-2936
- Role of splintering in cumulus clouds
Koenig, L.R. et al. (1984, p.1220-1241, eng) 39-2937
- Freezing of rain and snow
Alley, R.B. (1984, p.7-24, eng) 39-2949
- Effect of initial strain on ice crystal growth
Cho, N. et al. (1984, p.17-34, eng) 39-3138
- Low temperature growth forms and mechanisms of single snow crystals
Gronda, T. et al. (1984, p.87-95, eng) 39-3450
- Ice crystals grown from the vapor at temperatures lower than -15 deg C
Yamashita, A. et al. (1984, p.96-103, eng) 39-3451
- Recrystallized grain grown in deformed ice crystal
Ohlomo, M. (1984, 21p, eng) 39-3689
- Superplasticity owing to grain growth in polar ice
Daval, P. et al. (1985, p.60-62, eng) 39-3726
- Ice crystal nuclei**
- Ice forming natural aerosols
Berezinskii, N.A. et al. (1984, p.37-45, rus) 39-926

- Ice crystal formation on aerosol particles with a non-uniform surface. Gorbunov, B.Z., et al, [1982, p.21-28, eng] 39-1476
- Ice nucleation in winter orographic clouds. Rogers, D.C., [1982, 176p., eng] 39-2006
- Heterogeneous ice nucleation. Gzirishvili, T.G., et al, [1984, 140p., rus] 39-2100
- Role of splintering in cumulus clouds. Koenig, L.R., et al, [1984, p.1121-1141, eng] 39-2937
- Size and perfection of crystals in lake ice. Barns, R.L., et al, [1985, p.104-110, eng] 39-3139
- Ice crystal optics**
- Arctic haze. Schnell, R.C., ed, [1984, p.359-472, eng] 39-716
- Moving ripples of solar haloes. Archenhold, G.H., [1984, p.122-125, eng] 39-1315
- Height determination of optically thin ice clouds. Pollinger, W., et al, [1984, p.269-281, eng] 39-1320
- Optical constants of ice from the ultraviolet to the microwave. Warren, S.G., [1984, p.1206-1225, eng] 39-1445
- Infrared signatures from atmospheric clouds. Stanton, A.C., et al, [1980, 67p., eng] 39-1512
- Anthelic arcs from airborne ice crystals. Greenler, R.G., et al, [1984, p.339-343, eng] 39-2356
- Effect of misfit strain on ice crystal growth. Cho, N., et al, [1984, p.317-334, eng] 39-3138
- Complex ice-crystal halo phenomena: sky archaeology. Greenler, R.G., et al, [1980, p.346-353, eng] 39-3882
- Ice crystal replicas**
- Thin sectioning and surface replication of ice at low temperature. Daley, M.A., et al, [1984, p.248-250, eng] 39-1685
- Ice crystal structure**
- Correlation between crystallographic axes and the shape of single crystal in glaciers. Ohtomo, M., et al, [1983, p.498-504, eng] 39-2110
- Molecular structure of crystals in frozen aqueous solutions. Milligan, R.A., et al, [1984, p.1-9, eng] 39-231
- Compressive strength of frozen silt. Zhu, Y., et al, [1984, p.3-15, eng] 39-327
- Investigation of the failure envelope of granular/discontinuous columnar sea ice. Timco, G.W., et al, [1984, p.17-27, eng] 39-328
- Preliminary results on the fatigue behaviour of polycrystalline freshwater ice. Nixon, W.A., et al, [1984, p.267-269, eng] 39-403
- Cylindrical ice found in snow cover on Murodo Daira, Mt. Tateyama. Kamiishi, I., et al, [1984, p.59-61, jpn] 39-496
- Spectra of H₂O and D₂O ice clathrates. Johari, G.P., et al, [1984, p.281-284, eng] 39-559
- Orientation correlation tensor in ice I, III, IV, V and VI. Johari, G.P., et al, [1984, p.1-14, eng] 39-560
- Uncoupled O-H stretch in ice VII. Klug, D.D., et al, [1984, p.1220-1228, eng] 39-651
- Cubic ice, snowflakes and rare-gas solids. Kieft, H., et al, [1984, p.1419-1420, eng] 39-653
- Structure of D₂O ice VIII from in situ powder neutron diffraction. Jorgensen, J.D., et al, [1984, p.3211-3214, eng] 39-819
- Proton transfer in irradiated ice at 90K. Devlin, J.P., et al, [1984, p.3250-3255, eng] 39-820
- Cryogenic microstructure of surface loams on the Anabar-Olenekskoye plateau. Bazylev, V.A., et al, [1984, p.39-46, rus] 39-837
- Permafrost structure in the Chara basin. Sannikov, S.A., et al, [1984, p.55-65, rus] 39-840
- Studies of ice formation and ice fabric on the Law Dome, Antarctica. Xie, Z., [1984, p.1-22, chi] 39-930
- Mechanical properties of sea ice: a status report. Weeks, W.F., et al, [1984, p.135-198, eng] 39-971
- Brillouin scattering from H₂O: liquid, ice VI, and ice VII. Polian, A., et al, [1983, p.6409-6412, eng] 39-1063
- On the conduction band edge energy of ice. Grand, D., et al, [1983, p.119-122, eng] 39-1064
- Crystalline structure of urea ice sheets. Gow, A.J., [1984, 48p., eng] 39-1141
- Physics of the patterns of frost on a window, plus an easy-to-read sundial. Walker, J., [1980, p.230-238, eng] 39-1208
- Some ice crystals that made halos. Tape, W., [1983, p.1641-1645, eng] 39-1220
- Observations on ice layers. Heide, H.-G., [1984, p.271-278, eng] 39-1224
- Machine classification of cloud particle types. Hunter, H.E., [1982, 114p., eng] 39-1235
- On the proton field gradient of ice Ih. Davidson, E.R., et al, [1984, p.7-10, eng] 39-1398
- Polarized light scattering by hexagonal ice crystals: theory. Cai, Q., et al, [1982, p.3569-3580, eng] 39-1479
- Structure of deuterated ice VI, VII and VIII. Kuhs, W.F., et al, [1984, p.3612-3623, eng] 39-1578
- Proposed antiferroelectric structure for proton ordered ice Ih. Davidson, E.R., et al, [1984, p.3741-3742, eng] 39-1579
- Laboratory studies on relationships between ice crystal size and flow rate. Jacka, T.H., [1984, p.31-42, eng] 39-1620
- Rigby stage with remote computer compatible output. Morgan, V.I., et al, [1984, p.89-92, eng] 39-1625
- Tensile strength of ice as a function of grain size. Currier, J.H., et al, [1982, p.1511-1514, eng] 39-1657
- Relationship between bore hole closure and ice crystal structure. Thwaites, R.J., et al, [1984, p.171-179, eng] 39-1672
- Morphology of ice crystals grown from vapor. Yamashita, A., et al, [1984, p.140-145, eng] 39-1736
- Monte Carlo calculations for ice-rules model. Adams, D.J., [1984, p.4063-4070, eng] 39-1743
- Quiet freezing of lakes and the concept of orientation textures in lake ice sheets. Gow, A.J., [1984, p.137-149, eng] 39-1763
- Observations on the growth of urea ice on a small ice basin. Ettema, R., et al, [1984, p.207-216, eng] 39-1804
- Crystalline structure of urea ice sheets used in modeling in the CRREL test basin. Gow, A.J., [1984, p.241-253, eng] 39-1807
- Crystalline structure of ice formed by droplet accretion, Pts. 1 and 2. McCappin, C.J., et al, [1984, p.2437-2455, eng] 39-1821
- Snow characterization at SNOW-ONE-B. Berger, R.H., et al, [1983, p.155-195, eng] 39-1955
- Irradiation of amorphous and polycrystalline ice. Freeman, C.G., et al, [1984, p.5252-5254, eng] 39-2044
- Lattice mode spectra of ice Ih and amorphous solid water. Nielson, G., et al, [1984, p.5288-5301, eng] 39-2045
- Equilibrium low-temperature structure of ice. Leadbetter, A.J., et al, [1985, p.424-428, eng] 39-2046
- Extraterrestrial ice. Klinger, J., [1984, p.1060-1070, fre] 39-2053
- Role of transient creep in high temperature tensile failure of ice. Sinha, N.K., [1984, p.777-782, eng] 39-2063
- Hailstone growth in a moderate hailstorm. Grenier, J.C., et al, [1983, p.1008-1021, eng] 39-2081
- Structure and the compressive strength of ice from pressure ridges. Richter, J.A., et al, [1985, p.99-102, eng] 39-2083
- Vitrification of pure liquid water by high pressure jet freezing. Mayer, E., et al, [1982, p.715-718, eng] 39-2210
- Some recent technological advances applied to problems in earth sciences. Miller, K.J., [1984, p.12-38, eng] 39-2297
- Anthelic arcs from airborne ice crystals. Greenler, R.G., et al, [1984, p.339-343, eng] 39-2356
- Confined strength and deformation of second-year columnar-grained sea ice in Mould Bay. Sinha, N.K., [1985, p.209-219, eng] 39-2415
- Damage mechanics model for uniaxial deformation of ice. Karr, D.G., [1985, p.227-233, eng] 39-2417
- Phase transition in hexagonal doped ice. Tajima, Y., et al, [1984, p.1135-1144, eng] 39-2491
- Physical and chemical properties of ice in the Bering Sea ice-edge zone. Morozov, P.T., [1982, p.186-190, eng] 39-2742
- Lattice vibrations of ice Ih, VIII, and IX. Tse, J.S., et al, [1984, p.6124-6129, eng] 39-2817
- Dielectric properties of single crystals of HCl-doped ice. Takei, I., et al, [1984, p.6186-6190, eng] 39-2818
- Effective pair potentials and the structure of ice VIII and IX. Impey, R.W., et al, [1984, p.6406-6407, eng] 39-2819
- Vibrational spectrum of ice Ih. Bergren, M.S., et al, [1982, p.583-602, eng] 39-2890
- Dielectric properties on 72 K phase transition of KOH-doped ice. Kawada, S., et al, [1985, p.477-479, eng] 39-3137
- Effect of misfit strain on ice crystal growth. Cho, N., et al, [1984, p.317-334, eng] 39-3138
- Size and perfection of crystals in lake ice. Barns, R.L., et al, [1985, p.104-110, eng] 39-3139
- Arctic spills in relationship to sea ice motion. Denner, W.W., et al, [1985, p.878-887, eng] 39-3228
- Constitutive equations for ice as a damaging material. Karr, D.G., [1985, p.908-916, eng] 39-3230
- Growth and mechanical properties of river and lake ice. Ramseier, R.O., [1972, 243p., eng] 39-3387
- Ultrasonic velocities and crystalline anisotropy in ice core. Herron, S.L., et al, [1985, p.23-31, eng] 39-3563
- Disordered structure of D₂O ice VII. Jorgensen, J.D., et al, [1985, p.329-333, eng] 39-3577
- Recrystallized grain grown in deformed ice crystal. Ohtomo, M., [1984, 21p., eng] 39-3689
- Structure of ice Ih. Yoon, B.J., et al, [1985, p.1223-1231, eng] 39-3827
- Complex ice-crystal halo phenomena: sky archaeology. Greenler, R.G., et al, [1980, p.346-353, eng] 39-3882
- Uniaxial ice compressive strength. Wang, Y.S., et al, [1981, 2 vols., eng] 39-4001
- Characteristics of fast sea ice collected near Barrow, Alaska. Kawamura, T., [1984, p.163-170, jpn] 39-4045
- Ice crystals**
- Snow physics, avalanches, mudflows. Zalikhanov, M.Ch., ed, [1984, 156p., rus] 39-288
- Method of calculating sublimational recrystallization of snow. Kolomyts, E.G., [1984, p.45-55, rus] 39-295
- Applying television techniques to studying ice crystal coagulation. Kim, N.S., et al, [1984, p.96-101, rus] 39-483
- Measuring microstructure of crystalline fogs with the "Aspect-10" television spectrometer for aerosols. Kuznetsov, V.V., et al, [1984, p.101-106, rus] 39-484
- Scattering of elliptically polarized waves by different cloud particles. Nazirov, Z.N., [1984, p.3-9, rus] 39-545
- Relations between ice strain and acoustic signal velocity and attenuation. Voronina, I.I., et al, [1983, p.183-187, eng] 39-592
- On the interaction of aerosol with meteorology. Hogan, A., et al, [1984, p.41-67, eng] 39-600
- Phonon conductivity of ice single crystals. Kumar, A., et al, [1983, p.679-683, eng] 39-667
- Numerical study on icing of continental and maritime convective clouds. Beheng, K.D., [1982, p.287-288, ger] 39-1219
- Calculation of ice depolarization on satellite radio paths. Tsolakis, A., et al, [1983, p.1287-1293, eng] 39-1223
- Attenuation of infrared radiation by ice platelets. Petrushin, A.G., [1979, p.403-407, eng] 39-1359
- Equivalent radar reflectivity factors for snow and ice particles. Smith, P.L., [1984, p.1258-1260, eng] 39-1393
- Lower atmosphere of the polar regions. Radok, U., [1981, p.703-724, eng] 39-1533
- Procedure for testing polycrystalline ice in uniaxial tension. Lee, R.W., et al, [1984, p.246-247, eng] 39-1684
- Structure of ground ice in moraines of the Zailiyskiy Alatau. Ermolin, E.D., [1983, p.187-194, rus] 39-1931
- Theory of inelastic relaxation of ice. Petrenko, V.F., et al, [1984, p.2681-2688, rus] 39-2186
- Density and rheological properties of glacier ice. Salamatina, A.N., et al, [1985, p.94-106, rus] 39-2897
- Attenuation and backscatter for snow and sleet at 96, 140, and 225 GHz. Nemaich, J., et al, [1984, p.41-52, eng] 39-2947
- Visibility climatology of McMurdo Sound/Williams Field, Antarctica. Souders, C.G., [1984, 149p., eng] 39-3349
- Adsorption of organic substances on dispersed ice surfaces. Fedoseeva, V.I., et al, [1985, p.124-127, rus] 39-3363
- Summer precipitation onto the South Pole plateau. Inoue, M., et al, [1984, p.70-86, eng] 39-3449
- Ice crystal interactions with a riming target. Saunders, C.P.R., et al, [1985, p.6047-6050, eng] 39-3683
- Polarimetry and photometry of the antarctic sky. Egan, W.G., [1985, p.1845-1854, eng] 39-3712
- Model for dry snow metamorphism by interparticle vapor flux. Gubier, H., [1985, p.8081-8092, eng] 39-4007
- Ice cutting**
- On the Far Eastern meridians. Vol'mer, I.U., [1984, p.20-23, rus] 39-124
- Last reconnaissance. Popov, S., [1984, p.23-25, rus] 39-125
- Experiments in the machining of ice at negative rake angles. Lieut, D.K., et al, [1984, p.77-81, eng] 39-245
- Cutting trenches in the ice cover to prevent ice jams. Jolicoeur, L., et al, [1984, p.127-139, eng] 39-1460
- New navigation method in heavy ice. Shatalin, N., [1984, p.24-25, rus] 39-1549
- Determination of propeller-ice milling loads. Kotras, T., et al, [1985, p.336-343, eng] 39-2433
- Method for weakening the ice cover in northern rivers. Manikjan, V., et al, [1985, p.239-250, eng] 39-3177
- Ice-cutting equipment for river ports. Glebov, A., et al, [1984, p.28, rus] 39-3533
- Ice dams**
- Drainage of a marginal ice-dammed lake in S. Greenland. Clement, P., [1984, p.209-216, eng] 39-719
- Analysis of ice dam formation and its forecasting. Liu, G., et al, [1984, p.233-240, eng] 39-1771
- Field investigation of St. Lawrence River hanging ice dams. Shen, H.T., et al, [1984, p.241-249, eng] 39-1772
- Sudden discharge of glacier-dammed Flood Lake, B.C. Clarke, G.K.C., et al, [1984, p.502-504, eng] 39-1908
- Floods caused by bursting of ice-dammed lakes. Butvilovskii, V.V., [1985, p.65-74, rus] 39-2038
- History of a glacier-dammed lake on Donjek River, Yukon. Perchanok, M.S., [1980, 111p., eng] 39-2686
- Ice loads on hydraulic structures. Karnovich, V.N., et al, [1984, p.249-253, eng] 39-3485
- Jökulhlaups and ice-dammed lakes, Jotunheimen, Norway. Shakesby, R.A., [1985, p.1-16, eng] 39-3586
- Ice dating**
- Radioactive dating of Byrd core and Allan Hills ice. Fireman, E.L., [1983, p.111, eng] 39-9
- Dating of ice cores from Vernagtferner (Austria) with fission products and lead-210. Gunten, H.R. von, et al, [1983, p.37-45, eng] 39-46
- Reconstructing Pleistocene climatic change from the oxygen isotope composition of sediments: a review. Covey, C., [1984, p.43-46, eng] 39-170
- Age difference between polar ice and trapped air bubbles. Schwander, J., et al, [1984, p.45-47, eng] 39-680
- Glaciological activities of the Vavilov Dome research station. Gavorukha, L.S., [1984, p.79-82, rus] 39-1833
- Early Holocene glaciation stage of Spitsbergen. Troitskii, L.S., et al, [1984, p.203-208, rus] 39-2792

Ice dating (cont.)

Quaternary paleoclimatology. Methods of paleoclimatic reconstruction. Bradley, R.S., (1985, 472p., eng) 39-2885

Late Pleistocene ice wedges in the Kolyma River basin. Vasil'chuk, I.U.K., et al., (1985, p.904-906, rus) 39-3427

Dating the Dye 3 deep ice core by flow model calculations. Reeh, N., et al., (1985, p.57-65, eng) 39-3567

Dating and climatic interpretation of two deep Greenland ice cores. Dansgaard, W., et al., (1985, p.71-76, eng) 39-3569

Ice deformation

A three-dimensional time-dependent model of the West Antarctic ice sheet. Budd, W.F., et al., (1984, p.29-36, eng) 39-168

Measurement of surface deformation of the Greenland ice sheet by satellite tracking. Drew, A.R., et al., (1984, p.51-55, eng) 39-172

Deformation in the vicinity of ice divides. Raymond, C.F., (1983, p.357-373, eng) 39-198

Method of calculating sublimational recrystallization of snow. Kolomyts, E.G., (1984, p.45-55, rus) 39-295

Sea ice mechanics: a general overview. Croasdale, K., (1984, p.8-16, eng) 39-572

Geodetic surveys on the Filchner and Ekström Ice Shelves. Karsten, A., et al., (1984, p.57-63, ger) 39-1602

Report of the German engineering glaciology group, 1983/84. Jessberger, H.L., et al., (1984, p.71-81, ger) 39-1604

Relationship between bore hole closure and ice crystal structure. Thwaites, R.J., et al., (1984, p.171-179, eng) 39-1672

Thin sectioning and surface replication of ice at low temperature. Daley, M.A., et al., (1984, p.248-250, eng) 39-1685

Fast ice sheet deformation during ice-push and shore ice ride-up. Shapiro, L.H., et al., (1984, p.137-157, eng) 39-1874

Some aspects of antarctic engineering. Retamal, E., (1984, p.147-159, spa) 39-2193

Determining the characteristic length of floating ice sheets by moving loads. Sodhi, D.S., et al., (1985, p.155-159, eng) 39-2408

Confined strength and deformation of second-year columnar-grained sea ice in Mould Bay. Sinha, N.K., (1985, p.209-219, eng) 39-2415

Damage mechanics model for uniaxial deformation of ice. Karr, D.G., (1985, p.227-233, eng) 39-2417

Technique for producing ice from NaCl brine for studying fundamental deformation behavior. Godavarti, P.S., et al., (1985, p.234-237, eng) 39-2418

Recent observations on the deformation of ice and ice-rich permafrost. Morgenstern, N.R., (1985, p.133-153, eng) 39-2698

Density and rheological properties of glacier ice. Salamatin, A.N., et al., (1985, p.94-106, rus) 39-2897

Constitutive equations for ice as a damaging material. Karr, D.G., (1985, p.908-916, eng) 39-3230

Sea-ice indentation accounting for strain-rate variation. Ting, S.-K., et al., (1985, p.931-941, eng) 39-3232

Thermal displacements, deformations and stresses in fast ice. Kulakov, M.I.U., et al., (1984, p.32-46, eng) 39-3661

Optimal measurement of ice-sheet deformation from surface-marker arrays. MacAyeal, D.R., (1985, p.54-59, eng) 39-3725

Superplasticity owing to grain growth in polar ice. Duval, P., et al., (1985, p.60-62, eng) 39-3726

Ice flow at the Dome C ice divide. Bolzan, J.F., (1985, p.8111-8124, eng) 39-4009

Ice density

Structural investigations of snow and ice on core III from the drilling on Vernagferner, Austria, in 1979. Good, W., (1983, p.53-64, eng) 39-48

Ice-shelf densities from a comparison of radio echo and seismic soundings. Doake, C.S.M., (1984, p.47-50, eng) 39-171

Structure, salinity and density of multi-year sea ice pressure ridges. Richter-Menge, J.A., et al., (1985, p.194-198, eng) 39-2413

Mesoscale description for the principal Bering Sea ice experiment. Ramseier, R.O., et al., (1982, p.231-266, eng) 39-2745

Transition between amorphous phases of high pressure ice. Mishima, O., et al., (1985, p.76-78, eng) 39-3126

Calculating the redistribution of drifting ice. Maslovskii, M.I., (1984, p.18-24, eng) 39-3646

Conditions of regelation of sea ice in the Arctic. Gorbunov, I.U.A., et al., (1984, p.23-31, eng) 39-3660

Thermal convection in ice sheets: we look but do not see. Hughes, T., (1985, p.39-48, eng) 39-3723

Bore-hole survey at Dye 3, south Greenland. Gundestrup, N.S., et al., (1984, p.282-288, eng) 39-3776

Uniaxial ice compressive strength. Wang, Y.S., et al., (1981, 2 vols., eng) 39-4001

Ice detection

Method of detecting voids in rubbled ice. Tucker, W.B., et al., (1984, p.183-188, eng) 39-343

Remote sensing, a tool for northern development. Pallister, J., (1984, p.16-21, eng) 39-541

Sensors for ice and fog detection. Brinkman, A., et al., (1984, p.63-73, eng) 39-1246

Radar scattering of hailstones and mixed-phase hydrometeors. Aydin, K., et al., (1984, p.58-66, eng) 39-1249

Improved marine radar display for navigation in ice-infested waters. Lewis, E.O., et al., (1984, p.363-374, eng) 39-1817

Effect of frequency and polarization on marine radar detection of ice targets in an ice cover. Lewis, E.O., et al., (1984, p.375-384, eng) 39-1818

Radar remote surveying for Arctic operations. Inkster, D.R., (1984, 18p., eng) 39-1858

Ice formation precursor research. Huang, Y.F., et al., (1983, 81p., eng) 39-2677

Extraction of sea ice area using AVHRR data of NOAA satellite. Tanaka, S., et al., (1984, p.197-206, eng) 39-3462

Discrimination of sea ice edge in the Antarctic, from NOAA MSU. Yamanouchi, T., et al., (1984, p.207-217, eng) 39-3463

Process and apparatus for detecting ice formation. Roussel, P.A., (1970, 6 col. + figs., eng) 39-3835

Ice deterioration. Great Lakes Ice Research Workshop, Columbus, OH, 1983. (1984, 78p., eng) 39-480

Ice deterioration. Ashton, G.D., (1984, p.31-38, eng) 39-481

Dynamics and thermal regimes of rivers and reservoirs. Fidman, B.A., ed. (1984, 296p., rus) 39-887

Calculating heat balance of ice covers on rivers and lakes. Beffinson, M.M., (1984, p.220-233, rus) 39-888

Deterioration of floating ice covers. Ashton, G.D., (1985, p.177-182, eng) 39-3286

Ice distribution. See: Ice conditions; Sea ice distribution

Ice domes. See: Pings

Ice drills. Type Glacier-I hot-water ice auger and its application. Liang, S., (1983, p.91-95, chi) 39-273

Equipment for determining salt composition of sea ice. Pivovarov, S.V., et al., (1984, p.113-119, rus) 39-473

Calculating borehole geometry. Jezek, K.C., et al., (1984, 18p., eng) 39-475

Report of the German engineering glaciology group, 1983/84. Jessberger, H.L., et al., (1984, p.71-81, ger) 39-1604

PICO lightweight coring auger. Koci, B.R., et al., (1984, p.244-245, eng) 39-1683

Instrumented auger for vertical survey of ice "hardness". Harmon, D.J., et al., (1984, p.385-392, eng) 39-1819

Parametric study of ice-borehole dilatometer tests in ice. Ladanyi, B., et al., (1984, p.393-404, eng) 39-1820

Hot-water jet-drills for massive ice. Kravchenko, V.V., (1984, p.161-164, rus) 39-2783

Electrothermal ice drilling at Jari-Joet Station, Greenland. Philbert, K., (1984, p.43-49, ger) 39-3376

Heat and mass transfer in contact melting (applied to thermal drilling). Chistiakov, V.K., et al., (1984, 176p., rus) 39-3377

Ice excavation techniques. Suzuki, Y., (1985, p.24-38, eng) 39-3954

Ice edge. Reconstruction of the glacial ice covers of Greenland and the Canadian Arctic islands by three-dimensional, perfectly plastic ice-sheet modelling. Reeh, N., (1984, p.115-121, eng) 39-184

Oceanography of the antarctic marginal ice zone. Smith, W.O., et al., (1983, p.190-192, eng) 39-311

Modeling the marginal ice zone. Hibler, W.D., III, ed. (1984, 99p., eng) 39-360

On the role of ice interaction in marginal ice zone dynamics. Leppäranta, M., et al., (1984, p.23-29, eng) 39-364

Analysis of linear sea ice models with an ice margin. Leppäranta, M., (1984, p.31-36, eng) 39-365

Some simple concepts on wind forcing over the marginal ice zone. Tucker, W.B., (1984, p.43-48, eng) 39-367

Drag coefficient across the Antarctic marginal ice zone. Andreas, E.L., et al., (1984, p.63-71, eng) 39-370

Mechanism for floe clustering in the marginal ice zone. Leppäranta, M., et al., (1984, p.73-76, eng) 39-371

Internal wave forces on ice keels in the marginal ice zone: some preliminary laboratory results. Muench, R.D., et al., (1984, p.83-89, eng) 39-373

Margins of Gjöfurrjökull and the chronology of recent deglaciation. Caseldine, C.J., (1982, p.111-118, eng) 39-988

Air-ice-ocean interaction experiments in Arctic marginal ice zones. (1984, 56p., eng) 39-1123

MIZEX 83—BIO buoy data summary. Symonds, G., et al., (1984, p.13-18, eng) 39-1125

Heat and mass balance observations during the MIZEX 83 drift program. Maykut, G.A., (1984, p.35-46, eng) 39-1128

Ocean currents and temperatures in the center of Fram Strait during MIZEX 83. Hunkins, K., (1984, p.47-51, eng) 39-1129

Arctic whitecapping: preliminary results. Monahan, E.C., et al., (1984, p.53-56, eng) 39-1130

Antarctic sea ice conditions and cyclonic activity in winters 1973-1977. Carleton, A.M., (1983, p.1-22, eng) 39-1131

Pressure ridge formation in ice cover of the Caspian Sea. Bukharin, P.I., (1984, p.115-123, rus) 39-1174

Survey of the ice shelf edges in the eastern and southern Weddell Sea. Lange, M.A., (1984, p.53-56, eng) 39-1601

Diatoms from the ice edge of the Bering Sea. Van Baalen, C., et al., (1983, p.1019-1023, eng) 39-1644

Indentation spalling of edge loaded ice sheets. Palmer, A.C., et al., (1984, p.113-121, eng) 39-1761

All-weather millimeter wave imagery in the marginal ice zone. Hollinger, J.P., et al., (1984, p.862-870, eng) 39-1909

Ice conditions adjacent to the N. Atlantic Ocean, Dec. 1983-Feb. 1984. (1984, p.142-143, eng) 39-2002

Marginal ice zone experiment. (1984, p.22-27, eng) 39-2276

Model of ice breakup in the marginal ice zone. Smedstad, O.M., et al., (1985, p.876-882, eng) 39-2357

Model of sea-ice front instabilities. Killworth, P.D., et al., (1985, p.883-888, eng) 39-2358

SAR imaging of waves in water and ice: evidence for velocity bunching. Lyzenga, D.R., et al., (1985, p.1031-1036, eng) 39-2360

Variability in ice-edge position in the North European Basin and the North Atlantic. Kogan, B.A., (1984, p.57-60, eng) 39-2465

Remote sensing—from research towards operational use. (1984, 880p. (2 vols.), eng) 39-2531

Remote sensing of the marginal ice zone during MIZEX '83. (1984, p.339-346, eng) 39-2535

SAR measurement of sea ice properties during MIZEX '83. Burns, B.A., et al., (1984, p.347-351, eng) 39-2536

Millimeter wave radiometric images of the marginal ice zone. Hollinger, J.P., et al., (1984, p.353-358, eng) 39-2537

Active microwave measurements of sea ice in the marginal ice under summer conditions. Onstott, R.G., et al., (1984, p.359-363, eng) 39-2538

Mapping the Fram Strait ice edge using AVHRR imagery and NOAA satellite orbital data. Kloster, K., et al., (1984, p.369-372, eng) 39-2540

Passive microwave characteristics of the Bering Sea ice cover during MIZEX-West. Cavalieri, D.J., et al., (1984, p.379-384, eng) 39-2542

Surface based brightness temperatures of sea ice in the Bering and Greenland seas. Grenfell, T.C., (1984, p.385-389, eng) 39-2543

On the Bering Sea ice edge front. Muench, R.D., et al., (1985, p.3185-3197, eng) 39-2735

Physical and chemical properties of ice in the Bering Sea ice-edge zone. Morozov, P.T., (1982, p.186-190, eng) 39-1742

Analysis of the results of measurements of ice cover characteristics (Option C). Rabinovich, I.U.I., et al., (1982, p.289-307, eng) 39-2748

Variations in the sea ice edge in the Weddell Sea. Lange, M., (1985, p.26-31, ger) 39-2802

Hydrography at the edge of Filchner Ice Shelf. Rohardt, G., et al., (1985, p.50-57, ger) 39-2805

Are there secondary flows at the edge of the Filchner Ice Shelf. Rose, L., (1985, p.78-85, eng) 39-2810

Plankton in the ice of the Ross Sea. Smith, W.O., et al., (1985, p.163-166, eng) 39-3140

Arctic ice island and sea ice movements and mechanical properties. First quarterly report, Oct. 1-Dec. 31, 1983. Sackinger, W.M., et al., (1984, 28p. + illus., eng) 39-3151

Arctic ice island and sea ice movements and mechanical properties. Second quarterly report, Jan. 1-March 31, 1984. Sackinger, W.M., et al., (1984, 175p. + 3 appends., eng) 39-3152

Model of phytoplankton in the marginal sea-ice zone of the Barents Sea. Slagstad, D., (1983, p.35-48, eng) 39-3154

Ice and hydrographic effects on Barents Sea phytoplankton. Rey, F., et al., (1983, p.49-63, eng) 39-3155

Discrimination of sea ice edge in the Antarctic, from NOAA MSU. Yamanouchi, T., et al., (1984, p.207-217, eng) 39-3463

Comparison of antarctic sea ice data sets and inferred trends in ice area. Sturman, A.P., et al., (1985, p.275-280, eng) 39-3530

Heat and moisture advection over antarctic sea ice. Andreas, E.L., (1985, p.736-746, eng) 39-3554

Ice edge eddy dynamics in the East Greenland Current. Cowan, A.M., et al., (1985, p.1945-1954, eng) 39-3714

Scott Polar Research Institute participation in MIZEX 1984. Wadhams, P., (1985, p.505-510, eng) 39-3868

Ice elasticity. Elastic constants of artificial and natural ice samples by Brillouin spectroscopy. Gammon, P.H., et al., (1983, p.433-460, eng) 39-265

Level ice resistance—ideas stemming from the model and the full scale tests. Nyman, T., et al., (1984, p.183-200, eng) 39-1101

- On the critical angle for ocean waves entering shore fast ice. Squire, V.A., [1984, p.59-68, eng] 39-1622
- Flexure of a non-homogeneous floating ice sheet. Selvadurai, A.P.S., [1984, p.123-136, eng] 39-1762
- Centrifuge modelling of underwater permafrost and sea ice. Palmer, A.C., et al. [1985, p.65-69, eng] 39-2397
- Numerical algorithm to predict the visco-elastic response of ice under different loading conditions. Hamza, H., [1985, p.177-185, eng] 39-2411
- Winter ice forces on large offshore structures. Hamza, H., [1985, p.286-293, eng] 39-2426
- Ice electrical properties**
- Electromagnetic properties of sea ice. Morey, R.M., et al. [1984, p.53-75, eng] 39-332
- Electrification accompanying melting of ice and snow. Selvikian, I.A.V., [1984, p.51-54, rus] 39-460
- Two-phase model of electrical conduction in polar ice sheets. Wolff, E.W., et al. [1984, p.9433-9438, eng] 39-548
- Transport properties of ice. Jaccard, C., [1972, p.25-64, eng] 39-807
- Discussion: Electromagnetic properties of sea ice by R.M. Morey, A. Kovacs and G.F.N. Cox. Arcone, S.A., [1984, p.93-94, eng] 39-1626
- Authors' response to discussion on: Electromagnetic properties of sea ice. Morey, R.M., et al. [1984, p.95-97, eng] 39-1627
- Electrical properties of snow. Stiles, W.H., et al. [1981, p.91-103, eng] 39-2259
- Electrical properties of ice in the ice-edge zone of the Bering Sea at 10 GHz frequency. Bogorodskii, V.V., et al. [1982, p.215-230, eng] 39-2744
- Mesoscale description for the principal Bering Sea ice experiment. Ramseier, R.O., et al. [1982, p.231-266, eng] 39-2745
- Piezoelectric theory and its application to ice. Whalley, E., et al. [1984, p.6119-6123, eng] 39-2816
- Dielectric properties of single crystals of HCl-doped ice. Takei, I., et al. [1984, p.6186-6190, eng] 39-2818
- Distribution of electrical parameters in upper layers of shelf, land, and fast ice near Novolazarevskaya Station. Khokhlov, G.P., [1984, p.360-365, eng] 39-3136
- Dielectric properties on 72 K phase transition of KOH-doped ice. Kawada, S., et al. [1985, p.477-479, eng] 39-3137
- Regional difference of attenuation of radio waves within antarctic ice sheet. Ohmachi, H., et al. [1984, p.152-159, eng] 39-3458
- Measurements of a kind of DC-conductivity on cores from Dye 3. Neftel, A., et al. [1985, p.32-38, eng] 39-3564
- Bedrock topography of the Greenland ice sheet in the Dye 3 area. Overgaard, S., et al. [1985, p.49-56, eng] 39-3566
- Ice conductivity during thunderstorms. Illingworth, A.J., et al. [1985, p.6033-6039, eng] 39-3681
- Charging of ice by differences in contact potential. Caranti, J.M., et al. [1985, p.6041-6046, eng] 39-3682
- Ice crystal interactions with a riming target. Saunders, C.P.R., et al. [1985, p.6047-6050, eng] 39-3683
- Ice erosion**
- Reservoir bank erosion caused by ice. Gatto, L.W., [1984, p.203-214, eng] 39-397
- Molecular erosion of ice by keV ion bombardment. Ciavola, G., et al. [1982, p.407-412, eng] 39-1147
- Hydrology of the Castleguard karst, Columbia Icefield, Alberta, Canada. Smart, C.C., [1983, p.471-486, eng] 39-1324
- Lake shore erosion in the Far North. Gogolev, E.S., et al. [1984, p.42-45, rus] 39-1594
- Glacial detritus as a source of glaciological information. Kotliakov, V.M., et al. [1985, p.119-128, rus] 39-3260
- Reference book on construction in water under severe climatic conditions. Gordes, E.G., et al. [1984, 383p., rus] 39-3508
- Ice evaporation**
- See: Ice sublimation
- Ice floes**
- Ice floe impacts against arctic offshore platforms. Croteau, P., et al. [1984, p.169-175, eng] 39-84
- Ice floe tracing of oceanic currents. Ginzburg, A.I., et al. [1984, p.481-484, rus] 39-149
- Rheology of an ice floe field. Bratchie, I., [1984, p.23-28, eng] 39-167
- An atmospherically driven sea-ice drift model for the Bering Sea. Pease, C.H., et al. [1984, p.111-114, eng] 39-183
- Mechanism for floe clustering in the marginal ice zone. Leppäranta, M., et al. [1984, p.73-76, eng] 39-371
- Markov model for sea ice trajectories. Colony, R., [1984, p.77-81, eng] 39-372
- Mean ice motion in the Arctic Ocean. Colony, R., [1984, p.91-94, eng] 39-374
- Wave attenuation by floating ice. Popov, B.A., [1984, p.58-60, rus] 39-581
- Stresses in a compact ice cover. Timokhov, L.A., [1984, p.41-50, eng] 39-687
- Variability of the state of disintegration of ice. Gorbunov, I.U.A., et al. [1984, p.92-98, eng] 39-692
- Computation of the influence of fragmentation on ice distribution. Priamnikov, S.M., et al. [1984, p.136-142, eng] 39-697
- Estimate of the mean field of Arctic sea ice motion. Colony, R., et al. [1984, p.10,623-10,629, eng] 39-970
- On the rheology of a broken ice field due to floe collision. Shen, H., et al. [1984, p.29-34, eng] 39-1127
- Interaction between surface waves and a densely packed broken ice cover. Foltyn, E.P., et al. [1984, p.387-406, eng] 39-1473
- Probabilistic selection of ice loads and pressures. Vivatrat, V., et al. [1984, p.375-391, eng] 39-1572
- Summer impact loads from multiyear floes. Kreider, J., [1984, p.55-65, eng] 39-1792
- Dynamic forces of ice floes acting on bridge piers. Sun, Z.-F., et al. [1984, p.147-155, eng] 39-1800
- Flexural and longitudinal elastic wave propagation theory applied to ice floe impact with sloping structures. Luk, C.H., [1985, p.260-270, eng] 39-2423
- SAR measurement of sea ice properties during MIZEX '83. Burns, B.A., et al. [1984, p.347-351, eng] 39-2536
- Ice floe impact force on vertical sided structures. Cox, J.R., [1985, p.211-219, eng] 39-3174
- Probabilistic description of ice forces on an offshore arctic structure. Winkler, M.M., et al. [1985, p.373-385, eng] 39-3186
- Utilizing design events within risk-based design. Dunwoody, A.B., [1985, p.395-402, eng] 39-3188
- Probabilistic approaches to arctic offshore engineering. Allyn, N.F.B., et al. [1985, p.412-420, eng] 39-3190
- Ice floe dimensions as calculated by transect measurements. Nazareno, D., et al. [1984, p.247-252, eng] 39-3442
- Global ice loads on wide offshore structures. Blanchet, D., et al. [1984, p.139-149, eng] 39-3477
- Ice fog**
- Measuring microstructure of crystalline fogs with the "Aspect-10" television spectrometer for aerosols. Kuznetsov, V.V., et al. [1984, p.101-106, rus] 39-484
- Attenuation of infrared radiation by ice platelets. Petrushin, A.G., [1979, p.403-407, eng] 39-1359
- Suppression of ice fog from the Fort Wainwright, Alaska, cooling pond. Walker, K.E., et al. [1982, 34p., eng] 39-1729
- Ice fog as an electro-optical obscuring. Koh, G., [1985, 11p., eng] 39-3959
- Ice forecasting**
- Hydrological forecasts. Ginzburg, B.M., ed. [1984, 106p., rus] 39-433
- Long range forecasting of ice conditions on Volga reservoirs. Efremova, N.D., et al. [1984, p.3-17, rus] 39-434
- Influence of stratospheric circulation, water temperature in the northern Atlantic Ocean, and clouds over the Atlantic, on the dates of ice appearance on rivers of the European part of the USSR. Ginzburg, B.M., et al. [1984, p.17-30, rus] 39-435
- Medium-range forecasting of ice breakup on rivers. Margolin, L.M., et al. [1984, p.50-57, rus] 39-437
- Calculating ice growth and deterioration on lakes. Poliakova, K.N., et al. [1984, p.57-73, rus] 39-438
- Calculating ice cover strength on rivers. Zabelina, E.F., [1984, p.73-81, rus] 39-439
- Mississippi River ice cover between dam No.3 and Lake Pepin. Stefan, H., [1980, 91p., eng] 39-490
- Aircraft icing forecast and associated warning services. Pass, R.P., [1984, var.p., eng] 39-543
- Short-range forecasting of meteorological conditions for icing of aircraft on the ground and of the runway at Sofia airport. Martinov, M.I., et al. [1983, p.42-47, eng] 39-589
- Dynamics of ice cover. Timokhov, L.A., ed. [1984, 219p., eng] 39-681
- Bibliography of ice properties and forecasting, and ice navigation. Greisman, P.E., [1980, 187p., eng] 39-742
- Predicting the spatial distribution of dates of ice disappearance from northwestern seas of the USSR. Sheremetevskaya, O.I., [1984, p.91-100, rus] 39-906
- Statistical characteristics of dates of ice melting and the rate of ice disappearance in the Azov Sea. Kutsuruba, A.I., [1984, p.101-105, rus] 39-907
- Hydrology of Lake Baykal and other water bodies. Verbovol, V.I., ed. [1984, 167p., rus] 39-912
- Long range forecasting of ice breakup on Lake Baykal. Kurnova, L.N., [1984, p.84-88, rus] 39-913
- Handbook for ice analysis and forecasting. Stringer, W.J., et al. [1984, 324p., eng] 39-1047
- Forecasting the initiation of ice breakup on the Nashuaak River, NB. Tang, P.W., et al. [1984, p.65-93, eng] 39-1457
- Model for predicting ice accretion and ablation in water bodies. Danard, M., et al. [1984, p.1160-1169, eng] 39-1741
- Prediction of ice formation for the Eastern Scheldt in the Netherlands. Pilarczyk, K.W., [1984, p.223-232, eng] 39-1770
- Analysis of ice dam formation and its forecasting. Liu, G., et al. [1984, p.233-240, eng] 39-1771
- Beaufort Sea ice motions. Pritchard, R.S., [1984, p.95-113, eng] 39-1872
- Heat sink of the Yenisey River in its estuarine area. Kurzhunov, A.N., [1984, p.66-74, rus] 39-2016
- Ice conditions on the Ob' area rivers. Solov'eva, Z.S., [1984, p.81-88, rus] 39-2018
- Ice formation and distribution in the Ob' and Taz Bays. Vorob'ev, V.N., et al. [1984, p.111-120, rus] 39-2021
- Iceberg prediction charts issued by the International Ice Patrol. McClelland, J.J., et al. [1983, p.12-14, eng] 39-2522
- Scientific/operational support to the Soviet Antarctic Expedition studies. Romanov, A.A., [1983, p.89-93, eng] 39-2598
- Analysis of AFGL aircraft icing data. Cohen, I.D., [1983, 43p., eng] 39-2711
- RADARSAT--the challenge of daily satellite ice reconnaissance. Shaw, E., [1982, p.1G.4.1-1G.4.6, eng] 39-2901
- Ice jam prediction model as a tool in floodplain management. Barnes-Svarney, P.L., et al. [1985, p.256-260, eng] 39-3099
- Linear prediction of sea ice anomalies. Johnson, C.M., et al. [1985, p.5665-5675, eng] 39-3531
- Long term forecasting of the state of Chukchi polynyas in spring. Arikainen, A.I., [1984, p.51-56, eng] 39-3650
- Forecasting spring ice conditions in the Anadyr Bay. Arikainen, A.I., [1984, p.57-67, eng] 39-3651
- Mathematical model for sea ice. Appel, I.L., et al. [1984, p.68-72, eng] 39-3652
- Problems of investigating sea ice. Gudkovich, Z.M., et al. [1984, p.57-65, eng] 39-3669
- Ice formation**
- Modeling the freezing process of slush-bearing rivers. Abramnikov, N.M., [1984, 100p., rus] 39-53
- Determination of frost-heave forces in soils. Tishin, V.G., et al. [1984, p.240-243, eng] 39-151
- Ice pressure in solar collector panels. Tovarnykh, G.N., et al. [1982, p.55-59, eng] 39-223
- Ice formation between two cooled parallel plates. Seki, N., et al. [1984, p.498-505, eng] 39-232
- Stable isotope analysis of a submarine ice cliff at Explorers Cove, McMurdo Sound, Antarctica. Stockton, W.L., et al. [1984, p.112-115, eng] 39-249
- Formation of ice jams in the Elbe River--a case study. Garbrecht, G., et al. [1983, p.1038-1049, eng] 39-276
- Clathrates in water-ammonium salts systems. Diadin, I.U.A., et al. [1984, p.79-84, rus] 39-346
- Findings of strongly mineralized ice wedges. Vasil'chuk, I.U.K., et al. [1984, p.129-134, rus] 39-347
- Icing rate on stationary structures under marine conditions. Itagaki, K., [1984, 9p., eng] 39-385
- Hydraulic tests of oil pipelines in freezing weather. Furman, A.V., [1984, p.79-85, rus] 39-424
- Hydrological forecasts. Ginzburg, B.M., ed. [1984, 106p., rus] 39-433
- Long range forecasting of ice conditions on Volga reservoirs. Efremova, N.D., et al. [1984, p.3-17, rus] 39-434
- Influence of stratospheric circulation, water temperature in the northern Atlantic Ocean, and clouds over the Atlantic, on the dates of ice appearance on rivers of the European part of the USSR. Ginzburg, B.M., et al. [1984, p.17-30, rus] 39-435
- Modeling freezeup of slush-bearing rivers. Abramnikov, N.M., [1984, p.30-49, rus] 39-436
- Calculating ice growth and deterioration on lakes. Poliakova, K.N., et al. [1984, p.57-73, rus] 39-438
- Ice formation on Minnesota lakes using LANDSAT data. Stefan, H., et al. [1979, 98p., eng] 39-487
- Distribution of seeding zones in cloud modification. Lshintseva, V.F., [1984, p.49-56, rus] 39-547
- Short-range forecasting of meteorological conditions for icing of aircraft on the ground and of the runway at Sofia airport. Martinov, M.I., et al. [1983, p.42-47, eng] 39-589
- Repeated nucleation of supercooled water sample. Wang, M.K., et al. [1984, p.23-29, eng] 39-599
- Climatological ice accretion modelling [1984, 195p., eng] 39-624
- Nonequilibrium crystallization of moisture in frozen soils. Nesterov, I.I., et al. [1984, p.928-932, rus] 39-746
- Forecasting water temperature decline and freeze-up in rivers. Shen, H.T., et al. [1984, 17p., eng] 39-802
- Formation and spatial distribution of ground ice accumulations in the Yamal Peninsula. Orlianskii, V.V., [1984, p.22-31, rus] 39-835
- Analysis of winter heat flow in an ice-covered Arctic stream. Wankiewicz, A., [1984, p.430-443, eng] 39-875
- Studies of ice formation and ice fabric on the Law Dome, Antarctica. Xie, Z., [1984, p.1-22, chi] 39-930
- Preliminary discussion on influence of Taimyr Basin upon the glacier development in southern Tian Shan Mountains. Wang, Z., et al. [1984, p.61-70, chi] 39-934
- Pressure ridge formation in ice cover of the Caspian Sea. Bukharin, P.I., [1984, p.115-123, rus] 39-1174
- Numerical study on icing of continental and maritime convective clouds. Beheng, K.D., [1982, p.287-288, ger] 39-1219
- Frost formation on a parallel-plate heat exchanger. O'Neal, D.I., et al. [1982, 187p., eng] 39-1231
- Cloud physics investigations. Cooper, W.A., et al. [1982, 135p., eng] 39-1232

Ice formation (cont.)

- Aufeis effects on stream discharge and measurement in subarctic basins. Slaughter, C.W., [1984, p.357-364, eng] 39-1290
- Physical conditions of fast ice formation in East Antarctica. [1979, p.1-15, eng] 39-1365
- Not-so-ordinary icicle. Geer, I.W., [1981, p.257-259, eng] 39-1401
- Winter ice regime in the tidal estuaries of the Bay of Fundy, N.B. Desplaque, C., et al, [1984, p.7-38, eng] 39-1455
- Ice jam research needs. Gerard, R., [1984, p.181-193, eng] 39-1463
- Coverage coefficient for calculating ice volume generated. Hausser, R., et al, [1984, p.211-224, eng] 39-1465
- Computer simulation of ice cover formation in the Upper St. Lawrence River. Shen, H.T., et al, [1984, p.227-245, eng] 39-1466
- Measurements of frazil and drifting ice in the Lachine rapids. Michel, B., et al, [1984, p.317-343, eng] 39-1470
- Anchor ice effects on water levels in Lake St. Louis, St. Lawrence River at Montreal. Parkinson, F.E., [1984, p.345-370, eng] 39-1471
- Hemispheric circulation asymmetry during Late Tertiary. Flohn, H., [1981, p.725-736, eng] 39-1534
- Interaction of Stokes' edge waves with near-shore ice formation. Shaw, R.P., et al, [1984, p.227-229, eng] 39-1679
- Recent developments on mathematical modelling of winter thermal regime of rivers. Marcotte, N., [1984, p.201-210, eng] 39-1768
- Prediction of ice formation for the Eastern Scheldt in the Netherlands. Pilarczyk, K.W., [1984, p.223-232, eng] 39-1770
- Strategic hydro power operation at freeze-up reduces ice jamming. Billfalk, L., [1984, p.265-275, eng] 39-1775
- LaGrande River a full scale ice hydraulics laboratory. Drouin, M., et al, [1984, p.277-290, eng] 39-1776
- Types of ice run and conditions for their formation. Matoušek, V., [1984, p.315-327, eng] 39-1779
- Ice formation and prevention on sub-zero cooled hydraulic structures. Engelke, G., et al, [1984, p.77-86, eng] 39-1794
- Structure of ground ice in moraines of the Zailiyskiy Alatau. Ermolin, E.D., [1983, p.187-194, rus] 39-1931
- Two-dimensional climate model useful in ice age application. North, G.R., et al, [1982, p.513-518, eng] 39-1985
- Formation of anisotropic ice-agar composites by directional freezing. Tong, H., et al, [1984, p.589-595, eng] 39-2064
- Freezing and blocking of water pipes. Carey, K.L., [1982, 11p., eng] 39-2093
- Ice-blocked drainage: problems and processes. Carey, K.L., [1983, 9p., eng] 39-2095
- Solving problems of ice-blocked drainage. Carey, K.L., [1984, 9p., eng] 39-2097
- Moisture migration in frozen soils. Williams, P.J., [1984, p.64-66, eng] 39-2129
- Investigation of areas of icing (naled) formation and subsurface water discharge under permafrost conditions using surface geophysical techniques. Bokov, S.A., et al, [1984, p.211-216, eng] 39-2159
- Artificial ice masses in Arctic seas. Mel'nikov, P.I., et al, [1984, p.264-267, eng] 39-2169
- Influence of ice formation on hydrochemical regime of streams. Amirga, N.A., et al, [1984, p.64-76, rus] 39-2379
- Technique for producing ice from NaCl brine for studying fundamental deformation behavior. Godavarti, P.S., et al, [1985, p.234-237, eng] 39-2418
- Formation of ice layer continuously segregated in soil freezing. Takeda, K., et al, [1984, p.179-187, jpn] 39-2475
- Ice cover progression in large rivers. Michel, B., [1984, p.798-814, eng] 39-2493
- Grain growth and the creep behavior of ice. Cole, D.M., [1985, p.187-189, eng] 39-2560
- Technique for observing freezing fronts. Colbeck, S.C., [1985, p.13-20, eng] 39-2563
- Ice formation precursor research. Huang, Y.F., et al, [1983, 81p., eng] 39-2677
- Ice factor in frozen ground. Gold, L.W., [1985, p.74-95, eng] 39-2695
- Frazil and anchor ice. Osterkamp, T.E., et al, [1985, 17p., eng] 39-2712
- Remote sensing in the North Alaska stream icings. Dean, K.G., [1984, p.4-7, eng] 39-2759
- Ice-made pens and pools in the salt marsh of Isle-Verte, St.-Lawrence Estuary, Quebec. Gauthier, B., et al, [1983, p.49-66, fre] 39-2822
- Superstructure icing. Jeck, R.K., [1984, 16p., eng] 39-2921
- Radar detection of hail formation in clouds. Abshaev, M.T., [1984, p.80-91, rus] 39-3073
- Radar image of hailstone formation. Abshaev, M.T., [1984, p.109-115, rus] 39-3075
- Transition of liquid carbon dioxide to gas-solid mixture. Fomin, N.A., et al, [1982, p.503-507, eng] 39-3264
- Technique for producing ice from NaCl brine for studying fundamental deformation behavior. Godavarti, P.S., et al, [1985, p.173-176, eng] 39-3285
- Annual loss of winter runoff for naled formation. Sokolov, B.L., et al, [1984, p.50-61, rus] 39-3346
- Adsorption modification method of increasing ice formation temperature. Nechaev, E.A., et al, [1985, p.99-107, rus] 39-3360
- Incipient phenomena of frost formation. Seki, N., et al, [1984, p.2476-2482, eng] 39-3392
- Sea ice morphology and characteristics. Stringer, W.J., [1985, p.1-28, eng] 39-3638
- Natural ice in relation to skating. Kroes, H., [1982, 23p., dut] 39-3716
- Process and apparatus for detecting ice formation. Roussel, P.A., [1970, 6 col. + figs., eng] 39-3835
- Using tritium analysis in geocryological studies. Chizhov, A.B., et al, [1985, p.106-114, rus] 39-3914
- Studies on icicles (I): General aspects of the structure and growth of an icicle. Maeno, N., et al, [1984, p.125-138, jpn] 39-4041
- Studies on icicles (II): Wave-forms, spikes and bent icicles. Maeno, N., et al, [1984, p.139-147, jpn] 39-4042
- Characteristics of snow cover on sea ice and formation of snow ice II. Takizawa, T., [1984, p.157-161, jpn] 39-4044
- See also: Freezing
- Ice free reaches
- See: Polynyas
- Ice friction
- Regularities of the geometry of ice field breakup. Borodachev, V.E., [1984, p.79-91, eng] 39-691
- Frictional characteristics of sea ice. Gavrilov, V.P., [1984, p.111-117, eng] 39-694
- Unsteady wind drift of sea ice. Doronin, I.U.P., et al, [1984, p.143-150, eng] 39-698
- Water resistance caused by the bottom relief of ice packs. Nikiforov, E.G., et al, [1984, p.169-176, eng] 39-701
- Some characteristics of the friction layer near rough surfaces in the sea. Doronin, I.U.P., et al, [1984, p.177-180, eng] 39-702
- Laboratory investigation of the kinetic friction coefficient of ice. Forland, K.A., et al, [1984, p.19-28, eng] 39-1752
- Ship-hull motion through brash ice. Kitazawa, T., et al, [1984, p.277-286, eng] 39-1810
- Effect of hull plating roughness on the passability of ship in ice. Erusalskiit, A.V., et al, [1984, p.343-352, eng] 39-3492
- Kinetic friction coefficient of ice. Forland, K.A., et al, [1985, 40p., eng] 39-3957
- Ice gouging
- See: Ice scoring
- Ice growth
- Concentration, growth and decay of seasonal sea ice cover. Comiso, J.C., et al, [1984, p.8081-8103, eng] 39-216
- Simulation of growth and decay of river ice cover. Shen, H.T., et al, [1984, p.958-971, eng] 39-225
- Modelling of ice accretion on wires. Makkonen, L., [1984, p.929-939, eng] 39-284
- Dynamics and thermal regimes of rivers and reservoirs. Fidman, B.A., ed, [1984, 296p., rus] 39-887
- Calculating heat balance of ice covers on rivers and lakes. Belinson, M.M., [1984, p.220-233, rus] 39-888
- Antarctic sea ice conditions and cyclonic activity in winters 1973-1977. Carleton, A.M., [1983, p.1-22, eng] 39-1131
- Not-so-ordinary icicle. Geer, I.W., [1981, p.257-259, eng] 39-1401
- Laboratory experiments on frazil ice growth in supercooled water. Ettema, R., et al, [1984, p.43-58, eng] 39-1621
- Physical model for predicting the thermal conductivity of brine-wetted snow. Crocker, G.B., [1984, p.69-74, eng] 39-1623
- Model for predicting ice accretion and ablation in water bodies. Danard, M., et al, [1984, p.1160-1169, eng] 39-1741
- Forecasting snow and black ice growth from temperature and precipitation. Bengtsson, L., [1984, p.173-185, eng] 39-1766
- Estimation of internal pressure due to a growth of ice thickness in a caisson. Saeki, H., et al, [1984, p.97-109, eng] 39-1796
- Observations on the growth of urea ice on a small ice basin. Ettema, R., et al, [1984, p.207-216, eng] 39-1804
- Possible explanation of differences between Pre- and Post-Jaramillo ice sheet growth. Watts, R.G., et al, [1982, p.599-604, eng] 39-1989
- Ice as a construction material in the offshore Arctic. Duthweiler, F.C., et al, [1985, p.634-642, eng] 39-3211
- Growth and mechanical properties of river and lake ice. Ramseier, R.O., [1972, 243p., eng] 39-3387
- Some results from a mathematical model predicting ice lensing and frost heave. Piper, D., et al, [1984, p.19-28, eng] 39-3410
- Sea ice morphology and characteristics. Stringer, W.J., [1985, p.1-28, eng] 39-3638
- Sensitivity of a thermodynamic sea ice model. Lodley, T.S., [1985, p.2251-2260, eng] 39-3999
- Model for dry snow metamorphism by interparticle vapor flux. Gubler, H., [1985, p.8081-8092, eng] 39-4087
- Studies on icicles (I): General aspects of the structure and growth of an icicle. Maeno, N., et al, [1984, p.125-138, jpn] 39-4041
- Studies on icicles (II): Wave-forms, spikes and bent icicles. Maeno, N., et al, [1984, p.139-147, jpn] 39-4042
- Ice hardness
- Laboratory investigation of the kinetic friction coefficient of ice. Forland, K.A., et al, [1984, p.19-28, eng] 39-1752
- Instrumented auger for vertical survey of ice "hardness". Harmon, D.J., et al, [1984, p.385-392, eng] 39-1819
- Ice heat flux
- Ice, water and energy balances of Spartan Glacier, Alexander Island. Jamieson, A.W., et al, [1983, p.155-186, eng] 39-1361
- Ice II-IX
- See: High pressure ice
- Ice islands
- Development of new structures combined with use of rubble fields. Potter, R.E., [1984, 18p., eng] 39-1860
- Ancient ice islands in salt lakes of the Central Andes. Hurlbert, S.H., et al, [1984, p.299-302, eng] 39-1910
- Arctic ice shelf studies, Spring 1983. Jeffries, M.O., [1983, 31p., eng] 39-2207
- Artificial islands. Putot, C., [1983, p.828-833, fre] 39-2939
- Arctic ice island and sea ice movements and mechanical properties. First quarterly report, Oct. 1-Dec. 31, 1983. Sackinger, W.M., et al, [1984, 28p. + illus., eng] 39-3151
- Arctic ice island and sea ice movements and mechanical properties. Second quarterly report, Jan. 1-March 31, 1984. Sackinger, W.M., et al, [1984, 175p. + 3 appends., eng] 39-3152
- Ice as a construction material in the offshore Arctic. Duthweiler, F.C., et al, [1985, p.634-642, eng] 39-3211
- Grounded ice pads as drilling bases in the Beaufort Sea. Kemp, T.S., [1984, p.175-186, eng] 39-3480
- Ice jams
- Formation of ice jams in the Elbe River—a case study. Garbrecht, G., et al, [1983, p.1038-1049, eng] 39-276
- Method of detecting voids in rubbled ice. Tucker, W.B., et al, [1984, p.183-188, eng] 39-343
- Controlling river ice to alleviate ice jam flooding. Deck, D.S., [1984, p.524-528, eng] 39-614
- Salmon River ice jams. Cunningham, L.L., et al, [1984, p.529-533, eng] 39-615
- Bridge construction on icebound river. Raskakov, I.D., et al, [1984, p.10-11, rus] 39-674
- River-ice jams and drives determined from botanical evidence. Reynolds, D.M., [1976, 84p., eng] 39-741
- Ice-related flood damage estimation. Yoe, C.E., [1984, p.141-152, eng] 39-784
- Flood-plain delineation in ice jam prone regions. Vogel, R.M., et al, [1984, p.206-219, eng] 39-785
- Ice jams and flooding on Ottawa-Quebec River, VT. Bates, R., et al, [1982, 25p., eng] 39-873
- Analysis of breakup and ice jams on the Athabasca River at Fort McMurray, Alberta. Andres, D.D., et al, [1984, p.444-458, eng] 39-876
- Dynamics and thermal regimes of rivers and reservoirs. Fidman, B.A., ed, [1984, 296p., rus] 39-887
- Formation and disruption of ice jams on rivers and lakes. Karnovich, V.N., [1984, p.234-239, rus] 39-889
- Case studies concerned with ice jamming. Petryk, S., [1984, p.113-126, eng] 39-1459
- Cutting trenches in the ice cover to prevent ice jams. Jolicœur, L., et al, [1984, p.127-139, eng] 39-1460
- Documentation and analysis of the water level profile through an ice jam, MacKenzie River, N.W.T. Rivard, G., et al, [1984, p.141-157, eng] 39-1461
- Ice jam research needs. Gerard, R., [1984, p.181-193, eng] 39-1463
- Jamming tendency of floating ice in rivers and reservoirs. Kolodko, J., et al, [1984, p.251-254, eng] 39-1773
- Backwater profiles on hydroelectric reservoir with ice cover. Majewski, W., [1984, p.255-264, eng] 39-1774
- Strategic hydro power operation at freeze-up reduces ice jamming. Billfalk, L., [1984, p.265-275, eng] 39-1775
- Hydroelectric stations on Siberian rivers. Gotlib, I.A.L., [1984, p.86-90, eng] 39-2548
- Ice jam halt lakers. Perkins, J., et al, [1984, p.221-223, eng] 39-2718
- Yukon river breakup: the 82-year record. Fountain, A.G., [1984, p.20-24, eng] 39-2762
- Ice jam prediction model as a tool in floodplain management. Barnes-Svarney, P.L., et al, [1985, p.256-260, eng] 39-3099
- Controlling river ice to alleviate ice jam flooding. Deck, D., [1984, p.69-76, eng] 39-3471
- Ice engineering in 1984. Michel, B., [1984, p.301-325, eng] 39-3503

- River ice breakup. Belton, S., (1984, p.365-386, eng) 39-3506
- Ice lenses**
- Permafrost transformation induced by mining activities. Pisarskii, B.I., et al. (1982, p.119-123, rus) 39-37
- Permafrost development in northern West Siberia. Vasil'chuk, I.U.K., et al. (1984, p.134-143, rus) 39-426
- Cryogenic microstructure of surface loams on the Anabaro-Olenekskoye plateau. Bazylev, V.A., et al. (1984, p.39-46, rus) 39-837
- Ice segregation and frost heaving. (1984, 72p., eng) 39-1042
- Organization of bridge construction in the western section of the BAM. Rasskazov, I.D., et al. (1984, p.17-19, rus) 39-1167
- Current developments in China on frost-heave processes in soil. Chen, X., (1984, p.55-60, eng) 39-2127
- Formation of ice layer continuously segregated in soil freezing. Takeda, K., et al. (1984, p.179-187, jpn) 39-2475
- Ice factor in frozen ground. Gold, L.W., (1985, p.74-95, eng) 39-2695
- Models of soil freezing. Smith, M.W., (1985, p.96-120, eng) 39-2696
- Step function model of ice segregation. Outcalt, S.I., (1985, p.121-132, eng) 39-2697
- Exploration of a rigid ice model of frost heave. O'Neill, K., et al. (1985, p.281-296, eng) 39-3276
- Permafrost and ground ice investigations, Mayo, Interior Yukon. French, H.M., et al. (1984, 78p., eng) 39-3279
- Model of frost heave and ice lensing including overburden pressure. Frost, S.R., (1984, p.13-18, eng) 39-3409
- Some results from a mathematical model predicting ice lensing and frost heave. Piper, D., et al. (1984, p.19-28, eng) 39-3410
- Ice loads**
- Ice sheet vibration due to the movement of a cylindrical structure. Luk, C.H., (1984, p.160-168, eng) 39-83
- Ice floe impacts against arctic offshore platforms. Croteau, P., et al. (1984, p.169-175, eng) 39-84
- Improved non-linear model for ice. Szyzskowski, W., et al. (1984, p.1032-1035, eng) 39-111
- Optimal platform strength in the presence of moving ice. Enns, E.G., et al. (1984, p.239-244, eng) 39-229
- Computer simulation of iceberg instability. Bass, D.W., et al. (1984, p.163-169, eng) 39-340
- Melting of ice on 500 kV overhead power lines. Gorbunov, A.M., et al. (1984, p.44-45, rus) 39-353
- Analysis of the viscoelastic fracture toughness and crack growth in ice. Hamza, H., et al. (1984, p.249-258, eng) 39-401
- Calculating ice loads on ships. Chuprikov, V., (1984, p.37-38, rus) 39-429
- Sea ice mechanics: a general overview. Croasdale, K., (1984, p.8-16, eng) 39-572
- Foundations for offshore structures. Bea, R.G., (1984, p.22-30, eng) 39-574
- Past and future developments in Arctic structures. Bruce, J., (1984, p.39-44, eng) 39-576
- Bridge construction on icebound river. Rasskazov, I.D., et al. (1984, p.10-11, rus) 39-674
- Buckling analysis of cracked, floating ice sheets. Adley, M.D., et al. (1984, 28p., eng) 39-715
- Beaufort Sea caisson retained island. Comyn, M., (1984, p.40-44, eng) 39-737
- Concrete structure designed for Arctic. (1984, p.92-94, eng) 39-812
- Piling aids gravity in ice resistance. Bea, R.G., et al. (1984, p.99-100, eng) 39-813
- Formation and disruption of ice jams on rivers and lakes. Karnovich, V.N., (1984, p.234-239, rus) 39-889
- Performance of mechanical equipment of hydroelectric power plants under northern conditions. Martenson, V.I.A., (1984, p.31-34, rus) 39-894
- Ice conditions around artificial islands, 1976-1977. Favrat, D., (1982, 84p., eng) 39-897
- Experimental investigation of ice forces on cylindrical structures. Strickland, G.E., (1973, 36p. + figs., eng) 39-899
- Experimental investigation of ice forces on cone-shaped structures. Strickland, G.E., (1973, 62p. + figs., eng) 39-900
- Penetrometer tests for geologic processes, Norton Sound, Alaska. Hampton, M.A., et al. (1982, p.223-230, eng) 39-1044
- Semisubmersible response to transient ice forces. Arockiasamy, M., et al. (1984, p.463-490, eng) 39-1049
- Ice force prediction based on strain-rate field. Bruen, P.J., et al. (1984, p.509-514, eng) 39-1052
- Ship strength and winter navigation. (1984, 259p., eng) 39-1095
- Special features of multihull vessels, design concepts of a Catamaran. Terje, P., (1984, p.149-156, eng) 39-1098
- Special features of multihull vessels. Valanto, P., (1984, p.157-176, eng) 39-1099
- Determination of ice loads semiempirically. Varsta, P., (1984, p.177-182, eng) 39-1190
- Level ice resistance—ideas stemming from the model and the full scale tests. Nyman, T., et al. (1984, p.183-200, eng) 39-1101
- Ice loads of propulsion machinery. Jussila, M., (1984, p.201-212, eng) 39-1102
- Measurements of ice loads. Vuorio, J., (1984, p.213-229, eng) 39-1103
- Improving power line strength under ice and wind loads. Usmanov, E.Kh., (1984, p.69-71, rus) 39-1307
- API bulletin on planning, designing, and constructing fixed offshore structures in ice environments. (1982, 49p., eng) 39-1383
- Hybrid designed for shallow Arctic operations. (1984, p.106, eng) 39-1526
- Reliability of overhead power lines and the calculation of standardized climatic loads. Golikov, B.F., (1984, p.52-55, rus) 39-1552
- Probabilistic selection of ice loads and pressures. Vivatrat, V., et al. (1984, p.375-391, eng) 39-1572
- Composite construction shows promise for Arctic platforms. (1984, p.74-75, eng) 39-1585
- Ice load prediction for Arctic nearshore zone. Vivatrat, V., et al. (1984, p.75-87, eng) 39-1624
- Crack propagation in ice. Hamza, H., (1984, p.1-17, eng) 39-1751
- Laboratory investigation of the kinetic friction coefficient of ice. Forland, K.A., et al. (1984, p.19-28, eng) 39-1752
- Behaviour of sea ice plates under long term loading. Tinawi, R.A., et al. (1984, p.103-112, eng) 39-1760
- Indentation spalling of edge loaded ice sheets. Palmer, A.C., et al. (1984, p.113-121, eng) 39-1761
- Flexure of a non-homogeneous floating ice sheet. Selvadurai, A.P.S., (1984, p.123-136, eng) 39-1762
- Statistical time-series analysis and reliability of data describing the occurrence and intensity of ice-phenomena in rivers and reservoirs. Votruba, L., et al. (1984, p.211-221, eng) 39-1769
- Effect of structural properties on ice-induced self-excited vibrations. Mänttinen, M., (1984, p.11-20, eng) 39-1788
- Iceberg collision with semi-submersible drilling unit. Kitami, E., et al. (1984, p.45-53, eng) 39-1791
- Summer impact loads from multiyear floes. Kreider, J., (1984, p.55-65, eng) 39-1792
- Analysis and model tests of pressure ridges failing against conical structures. Wang, Y.S., (1984, p.67-76, eng) 39-1793
- Ice formation and prevention on sub-zero cooled hydraulic structures. Engelke, G., et al. (1984, p.77-86, eng) 39-1794
- Model tests of ice forces on a wide inclined plane. Timco, G.W., (1984, p.87-96, eng) 39-1795
- Analysis of piles frozen-in to an ice cover and subjected to forces that cause pile bending. Kerr, A.D., (1984, p.123-134, eng) 39-1798
- Dynamic ice forces on piles. Khraptyl, N., et al. (1984, p.135-145, eng) 39-1799
- Dynamic forces of ice floes acting on bridge piers. Sun, Z.-F., et al. (1984, p.147-155, eng) 39-1800
- Reliability of ice-structure interaction load predictions. Bercha, F.G., et al. (1984, p.157-173, eng) 39-1801
- Probabilistic analysis of iceberg loads on offshore structures. Maes, M.A., et al. (1984, p.175-188, eng) 39-1802
- Ship-hull motion through brash ice. Kitazawa, T., et al. (1984, p.277-286, eng) 39-1810
- Dynamic response of an icebreaker hull to ice breaking. Mueller, A., et al. (1984, p.287-296, eng) 39-1811
- Ice-milling load encountered by a controllable pitch propeller. Sasajima, T., et al. (1984, p.297-307, eng) 39-1812
- Evaluation of a biaxial ice stress sensor. Cox, G.F.N., (1984, p.349-361, eng) 39-1816
- Ice uplift forces on a pile. Coe, T.J., (1982, 81p., eng) 39-1840
- Arctic Offshore Technology Conference, 1984 (1984, var.p., eng) 39-1845
- Bottom founded mobile offshore drilling unit in Canada's Beaufort Sea. Myers, R., et al. (1984, 16p. + figs., eng) 39-1849
- Ice interaction with structures: recent developments and future trends. Croasdale, K.R., (1984, 22p., eng) 39-1855
- Development of new structures combined with use of rubble fields. Potter, R.E., (1984, 18p., eng) 39-1860
- Sonar Hybrid Arctic Drilling Structure—SHADS. (1984, 13p., eng) 39-1861
- Mobile Arctic Island (MAI) for drilling and production. Berlie, E.M., et al. (1984, 42p., eng) 39-1862
- Moving towards production in the Beaufort Sea. Smith, B.S., et al. (1984, 13p. + figs., eng) 39-1863
- Computer simulation techniques for Arctic offshore design—a review. Erbaturo, M.F., et al. (1984, 9p. + figs., eng) 39-1864
- Operation, testing and design of vessels in the Canadian Beaufort Sea. Churcher, A.C., et al. (1984, 34p., eng) 39-1865
- Mobile concrete island drilling system for arctic offshore operations. Wetmore, S.B., et al. (1984, p.1-11, eng) 39-1911
- Arctic report. (1985, p.44-61, eng) 39-1944
- Pile foundations. (1984, 114p., eng) 39-2088
- Technical requirements for installations and power lines when melting ice accretions. Diakov, A.F., et al. (1984, p.62-66, rus) 39-2104
- Advanced types of ships and their seafaring qualities. Pannin, I.U., ed. (1983, 137p., rus) 39-2200
- Designing metallic frames for ice-navigating ships. Karavanov, S.B., (1983, p.89-95, rus) 39-2202
- Effects of ice loads, temperature and wind on cables. Oestreich, U.H.P., (1982, p.95-106, eng) 39-2234
- Present state-of-the-art of transmission line icing. Pohlman, J.C., et al. (1982, p.2443-2450, eng) 39-2238
- Icing regime of tall structures. Mytarev, M.N., (1984, p.94-103, rus) 39-2377
- Offshore Mechanics and Arctic Engineering Symposium. 4th, 1985. 2 vols., eng) 39-2381
- Motion and structural response of a hydroelastic semi-submersible model to waves and ice impacts. El-Tahan, H., et al. (1985, p.753-761, eng) 39-2387
- Design, installation, and performance of a berm supported exploration station in the Beaufort Sea. Hewitt, K.J., et al. (1985, p.105-113, eng) 39-2402
- Arctic double cone structure for 40-200 ft (12-60m) water depths. Krahl, N.W., et al. (1985, p.114-119, eng) 39-2403
- Stability monitoring programs in hazardous ice conditions. Berzins, W.E., et al. (1985, p.120-127, eng) 39-2404
- Some considerations on the designing of Arctic structures. Oyama, T., et al. (1985, p.128-134, eng) 39-2405
- Description of some concepts for exploratory drilling in Sub-Arctic and Arctic waters. Marthinsen, A., et al. (1985, p.143-154, eng) 39-2407
- Quantitative analysis of ice sheet failure against an inclined plane. Frederking, R.M.W., et al. (1985, p.160-169, eng) 39-2409
- Load bearing capacity of an ice cover subjected to concentrated loads. Fransson, L., (1985, p.170-176, eng) 39-2410
- Numerical algorithm to predict the visco-elastic response of ice under different loading conditions. Hamza, H., (1985, p.177-185, eng) 39-2411
- In-ice calibration tests for an elongated, uniaxial brass ice stress sensor. Johnson, J.B., (1985, p.244-249, eng) 39-2420
- Analysis of iceberg impacts with gravity base structures at Hibernia. Bass, D., et al. (1985, p.255-259, eng) 39-2422
- Winter ice forces on large offshore structures. Hamza, H., (1985, p.286-293, eng) 39-2426
- Numerical analysis of a caisson retained gravel island. Saari, K.H.O., et al. (1985, p.294-301, eng) 39-2427
- Determination of propeller-ice milling loads. Kotras, T., et al. (1985, p.336-343, eng) 39-2433
- Ship ice impact analysis. Koehler, P.E., et al. (1985, p.344-350, eng) 39-2434
- New high-toughness materials and large heat-input welding processes for offshore structures. Fukagawa, M., et al. (1985, p.373-380, eng) 39-2436
- Base underfilling for Arctic platforms. Buslov, V.M., et al. (1985, p.389-396, eng) 39-2438
- Sea ice characteristics in the nearshore environment. Hoch, D.M., et al. (1983, p.211-215, eng) 39-2442
- Dynamic interactions between floating ice and offshore structures. Croteau, P., (1983, 335p., eng) 39-2453
- Ice action on Namsivik wharf, winter 1979-1980. Frederking, R., et al. (1984, p.996-1003, eng) 39-2496
- Ice forces on rigid, vertical, cylindrical structures. Sodhi, D.S., et al. (1984, 36p., eng) 39-2515
- Snow and ice effects on structures. Booth, R.L., (1984, p.127-138, eng) 39-2689
- Ice loads upon a cylindrical offshore structure. Kajaste-Rudnitski, J., et al. (1985, 46p. + appends., eng) 39-2993
- Response of piles and casings to horizontal free-field soil displacements. Byrne, P.M., et al. (1984, p.720-728, eng) 39-3035
- German ice technology. Redder, J., ed. (1985, p.217-238, eng) 39-3037
- Civil engineering in the Arctic offshore. (1985, 1259p., eng) 39-3158
- Molikpaq development at Tarsuit P-45. Jefferies, M.G., et al. (1985, p.1-27, eng) 39-3159
- Overview of artificial island design and construction in the Arctic. Wang, J.L., et al. (1985, p.28-38, eng) 39-3160
- Geotechnical features of Fur Seal Island design. Luscher, U., et al. (1985, p.39-47, eng) 39-3161
- Arctic island construction. Robertson, F.P., (1985, p.48-56, eng) 39-3162
- Oceanwheel artificial island. Capron, M.E., (1985, p.57-65, eng) 39-3163
- Modular construction technology for arctic islands. Buslov, V.M., (1985, p.66-74, eng) 39-3164
- Slope protection of arctic offshore artificial islands. Chow, W.Y., et al. (1985, p.102-110, eng) 39-3165
- Estimation of ice loads from caisson deformations Gulf Canada Molikpaq. Erbaturo, M.F., (1985, p.193-201, eng) 39-3172

Ice loads (cont.)

- Dynamic forces on an offshore structure from ice floe impacts. Hocking, G., et al., (1985, p.202-210, eng) 39-3173
- Ice floe impact force on vertical sided structures. Cox, J.R., (1985, p.211-219, eng) 39-3174
- Ice forces due to impact loading on a slope structure. Evans, R.J., et al., (1985, p.220-229, eng) 39-3175
- Ice-structure interaction of an offshore platform. Powell, G., et al., (1985, p.230-238, eng) 39-3176
- Role of ice gouging in determining global forces on arctic structures. Bea, R.G., et al., (1985, p.251-266, eng) 39-3178
- Ice loads on structures with compound slopes. Coon, M.D., et al., (1985, p.267-275, eng) 39-3179
- Iceberg interactions with offshore structures. Isaacson, M. de S.Q., (1985, p.276-284, eng) 39-3180
- Single point mooring in ice infested waters. Pollack, J., (1985, p.309-322, eng) 39-3183
- Probabilistic description of ice forces on an offshore arctic structure. Winkler, M.M., et al., (1985, p.373-385, eng) 39-3186
- Utilizing design events within risk-based design. Dunwoody, A.B., (1985, p.395-402, eng) 39-3188
- Selection of environmental design criteria for arctic structures. Myers, P.E., (1985, p.403-411, eng) 39-3189
- Probabilistic approaches to arctic offshore engineering. Allyn, N.F.B., et al., (1985, p.412-420, eng) 39-3190
- Probabilistic design of gravity foundations for arctic offshore structures. Vivatrat, V., et al., (1985, p.421-429, eng) 39-3191
- Calculation of ice forces on arctic structures. Bohon, W.M., et al., (1985, p.456-464, eng) 39-3195
- Constructibility of Arctic offshore structures. Gerwick, B.C., Jr., (1985, p.541-550, eng) 39-3203
- Three-dimensional analysis of an artificial island. Evgin, E., et al., (1985, p.617-625, eng) 39-3209
- Failure modes in concrete structures due to ice load. Ilding, R.H., et al., (1985, p.643-652, eng) 39-3212
- Response of concrete shell panels to simulated impact. Arockiasamy, M., et al., (1985, p.653-670, eng) 39-3213
- Fatigue damage for reinforced concrete offshore structures. Shah, S.P., (1985, p.671-679, eng) 39-3214
- Strength-deformation properties of Arctic silt. Ladd, C.C., et al., (1985, p.820-829, eng) 39-3227
- Ice load prediction. Vivatrat, V., et al., (1985, p.942-952, eng) 39-3233
- Spalling and buckling of ice sheets. Wierzbicki, T., (1985, p.953-961, eng) 39-3234
- CICE code for ice override and ice ridge cone interaction. Hocking, G., et al., (1985, p.962-960, eng) 39-3235
- Deep water Bering Sea development concepts. Gunzelman, S.X., (1985, p.971-979, eng) 39-3236
- Deep-water platform solutions for the Navarin Basin. Wang, F.S., et al., (1985, p.1018-1026, eng) 39-3240
- Gravity foundations in very soft Arctic soils. Rojansky, M., et al., (1985, p.1027-1048, eng) 39-3241
- Foundations and time-dependent ice loadings. Williams, D.R., et al., (1985, p.1063-1074, eng) 39-3242
- Improving Arctic seafloor soil stability. Mitchell, J.K., (1985, p.1084-1092, eng) 39-3244
- Seabed strengthening in the Arctic by deep mixing. Quigley, D.W., et al., (1985, p.1093-1102, eng) 39-3245
- Developing a drilling structure for Arctic waters. Crull, C.M., et al., (1985, p.1122-1130, eng) 39-3247
- Arctic drilling and production platform concept. Engel, D.J., et al., (1985, p.1131-1147, eng) 39-3248
- Beaufort Sea deepwater production structure. Padron, D.V., et al., (1985, p.1148-1156, eng) 39-3249
- Concrete space frame applied to an Arctic M.O.D.U. Richard, P., et al., (1985, p.1157-1165, eng) 39-3250
- Hybrid structural ice defense mechanism. Nelson, J.K., et al., (1985, p.1166-1174, eng) 39-3251
- Geotechnical design of caisson islands. Been, K., et al., (1985, p.1206-1214, eng) 39-3253
- Ice forces on port structures resulting from moving ships. Abdelnour, R., et al., (1985, p.1215-1223, eng) 39-3254
- Design, installation, and performance of a berm-supported exploration structure in the Beaufort Sea. Hewitt, K.J., et al., (1985, p.188-194, eng) 39-3288
- Arctic ocean engineering for the 21st century; Proceedings. (1985, 234p., eng) 39-3326
- Arctic materials. Oshima, M., et al., (1985, p.93-95, eng) 39-3334
- Arctic fixed platforms for deep water. Croasdale, K.R., (1985, p.169-180, eng) 39-3336
- Iceberg resisting offshore structures for the 21st century. Zaleski-Zamenhof, L.C., (1985, p.195-201, eng) 39-3338
- Beaufort highlights. (1985, p.100-122, eng) 39-3416
- IAHR Ice Symposium, 7th. Aug. 27-31, 1984; Vols. 3-4. (1984, 594 + 414p., eng) 39-3465
- Failure criteria for sea ice and loads resulting from crushing. Coon, M.D., et al., (1984, p.1-16, eng) 39-3466
- Ice forces during failure by crushing against structures. Pulkkinen, E., (1984, p.17-26, eng) 39-3467
- Rubble-protected drilling systems developments. Graham, B.W., et al., (1984, p.113-125, eng) 39-3475
- Concrete shell panels in simulating bergy-bit impact. Arockiasamy, M., et al., (1984, p.127-138, eng) 39-3476
- Global ice loads on wide offshore structures. Blanchet, D., et al., (1984, p.139-149, eng) 39-3477
- Ice-structure interaction. Corneau, A., et al., (1984, p.161-174, eng) 39-3479
- Ice interaction with Adams Island, Winter 1982-83. Frederking, R.M.W., et al., (1984, p.187-201, eng) 39-3481
- Ice forces on fixed and floating conical structures. Wessels, E., (1984, p.203-219, eng) 39-3482
- Ice action on hydraulic structure slopes. Aleitnikov, S.M., et al., (1984, p.237-248, eng) 39-3484
- Ice loads on hydraulic structures. Karnovich, V.N., et al., (1984, p.249-253, eng) 39-3485
- Segmented icebreaking ship model testing technique development. Nawwar, A.M., et al., (1984, p.255-265, eng) 39-3486
- Ice-milling load on propellers. Sasajima, T., et al., (1984, p.281-295, eng) 39-3488
- Dynamic ice loads on a ship. Tunik, A.L., (1984, p.297-313, eng) 39-3489
- Instrument for recording ice loads in an offshore structure. Pukki, J., et al., (1984, p.353-360, eng) 39-3493
- Ice properties in relation to ice forces. Nadreau, J.P., et al., (1984, p.63-115, eng) 39-3496
- Ice forces on structures: physical modelling techniques. Timco, G.W., (1984, p.117-150, eng) 39-3497
- Theoretical and measured ice forces on wide structures. Sanderson, T.J.O., (1984, p.151-207, eng) 39-3498
- On the state of art of statistical approaches to ice mechanics. Bercha, F.G., (1984, p.209-238, eng) 39-3499
- Forces associated with ice pile-up and ride-up. Sodhi, D.S., et al., (1984, p.239-262, eng) 39-3500
- Methods for determining ice forces due to first- and multi-year ridges. Krankkala, T., et al., (1984, p.263-287, eng) 39-3501
- Thermal ice forces against isolated structures. Sanderson, T.J.O., (1984, p.289-299, eng) 39-3502
- Reference book on construction in water under severe climatic conditions. Gordes, E.G., et al., (1984, 383p., rus) 39-3508
- Ice conditions in the Arctic. Sanderson, T.J.O., (1985, p.283-296, eng) 39-3675
- Viscoelastic approach to the ice load evaluation. Kajaste-Rudnitski, J., et al., (1985, 23p. + append., eng) 39-3690
- Ice mechanics**
- Ice sheet vibration due to the movement of a cylindrical structure. Luk, C.H., (1984, p.160-168, eng) 39-83
- Mechanical properties of multi-year sea ice. Phase I: Test results. Cox, G.F.N., et al., (1984, 105p., eng) 39-98
- Improved non-linear model for ice. Szyszkowski, W., et al., (1984, p.1032-1035, eng) 39-111
- Mechanical properties of Dye 3 Greenland deep ice cores. Azuma, N., et al., (1984, p.1-8, eng) 39-163
- Rheology of an ice floe field. Bratchie, I., (1984, p.23-28, eng) 39-167
- A three-dimensional time-dependent model of the West Antarctic ice sheet. Budd, W.F., et al., (1984, p.29-36, eng) 39-168
- Ice-sheet modeling. Weertman, J., et al., (1984, p.180-184, eng) 39-195
- Ice flow leading to the deep core hole at Dye 3, Greenland. Whillans, I.M., et al., (1984, p.185-190, eng) 39-196
- Deformation in the vicinity of ice divides. Raymond, C.F., (1983, p.357-373, eng) 39-198
- Early discoverers. XXXIII John Hardcastle on glacier motion and glacial loss. Smalley, I.J., (1983, p.480-484, eng) 39-207
- Optimal platform strength in the presence of moving ice. Enns, E.G., et al., (1984, p.239-244, eng) 39-229
- Interactions between polar ice streams and the sea. Lingle, C.S., (1984, p.3523-3549, eng) 39-256
- Single integral representations in ice mechanics. Williams, H.T., (1984, p.89-95, eng) 39-334
- Computer simulation of iceberg instability. Bass, D.W., et al., (1984, p.163-169, eng) 39-340
- Modeling the marginal ice zone. Hibler, W.D., III, ed., (1984, 99p., eng) 39-360
- Large-scale ice/ocean model for the marginal ice zone. Hibler, W.D., III, et al., (1984, p.1-7, eng) 39-361
- East Greenland Sea ice variability in large-scale model simulations. Walsh, J.E., et al., (1984, p.9-14, eng) 39-362
- On the role of ice interaction in marginal ice zone dynamics. Leppikanta, M., et al., (1984, p.23-29, eng) 39-364
- Mesoscale coupled ice/ocean modeling of the marginal ice zone. Rood, L.P., et al., (1984, p.37-42, eng) 39-366
- Some simple concepts of wind forcing over the marginal ice zone. Tucker, W.B., (1984, p.43-48, eng) 39-367
- Wind-driven ice drift in a shallow sea. Overland, J.E., et al., (1984, p.49-53, eng) 39-368
- Markov model for sea ice trajectories. Colony, R., (1984, p.77-81, eng) 39-372
- Internal wave forces on ice keels in the marginal ice zone: some preliminary laboratory results. Muench, R.D., et al., (1984, p.83-89, eng) 39-373
- Mean ice motion in the Arctic Ocean. Colony, R., (1984, p.91-94, eng) 39-374
- Flow law for isotropic and anisotropic ice at low strain rates. Lilje, R.C., (1984, 93p., eng) 39-379
- Mechanical properties of multi-year sea ice. Testing techniques. Mellor, M., et al., (1984, 39p., eng) 39-382
- Preliminary results on the fatigue behaviour of polycrystalline freshwater ice. Nixon, W.A., et al., (1984, p.267-269, eng) 39-403
- Static determination of Young's modulus in sea ice. Richter-Menge, J.A., (1984, p.283-286, eng) 39-406
- Sea ice mechanics: a general overview. Croasdale, K., (1984, p.8-16, eng) 39-572
- Relations between ice strain and acoustic signal velocity and attenuation. Voronina, I.I.U., et al., (1983, p.183-187, eng) 39-592
- Dynamics of ice cover. Timokhov, L.A., ed., (1984, 219p., eng) 39-681
- Some problems of the dynamics of ice cover. Nikiforov, E.G., et al., (1984, p.1-16, eng) 39-682
- Sea ice structure of Greenland Sea. Simon, T., (1983, p.47-66, fre) 39-722
- River-ice jams and drives determined from botanical evidence. Reynolds, D.M., (1976, 84p., eng) 39-741
- Transport properties of ice. Jaccard, C., (1972, p.25-64, eng) 39-807
- Conceptual model of river ice breakup. Beltaos, S., (1984, p.516-529, eng) 39-878
- Ice dynamics. Hibler, W.D., III, (1984, 52p., eng) 39-896
- Ice conditions around artificial islands, 1976-1977. Favrat, D., (1982, 84p., eng) 39-897
- Offshore ice investigation, North Slope, Alaska: Final report. (1970, 53p. + append., eng) 39-898
- Experimental investigation of ice forces on cone-shaped structures. Strickland, G.E., (1973, 62p. + figs., eng) 39-900
- TRISTEN/FRAM II cruise report, East Arctic, April 1980. DiNapoli, F.R., et al., (1984, 24p., eng) 39-942
- FRAM II single channel ambient noise statistics. Dwyer, R.F., (1984, 29p., eng) 39-943
- Mechanical properties of sea ice: a status report. Weeks, W.F., et al., (1984, p.135-198, eng) 39-971
- Geodetic deformation measurements on the Ekström, Filchner, and Ronne Ice Shelves. Köhler, M., et al., (1984, p.154-161, ger) 39-1024
- Ice force prediction based on strain-rate field. Bruen, F.J., et al., (1984, p.509-514, eng) 39-1052
- Air-ice-ocean interaction experiments in Arctic marginal ice zones. (1984, 56p., eng) 39-1123
- Drift velocity during the drift-station phase of MIZEX 83. McPhee, M.G., (1984, p.1-11, eng) 39-1124
- MIZEX 83—BIO buoy data summary. Symonds, G., et al., (1984, p.13-18, eng) 39-1125
- MIZEX 83 mesoscale sea ice dynamics: initial analysis. Hibler, W.D., III, et al., (1984, p.19-28, eng) 39-1126
- On the rheology of a broken ice field due to floe collision. Shen, H., et al., (1984, p.29-34, eng) 39-1127
- Crystalline structure of urea ice sheets. Gow, A.J., (1984, 48p., eng) 39-1141
- Shore ice override and pileup features, Beaufort Sea. Kovacs, A., (1984, 28p. + map, eng) 39-1142
- Are antarctic icebergs towable. Orheim, O., (1984, p.36-38, eng) 39-1204
- Graphical ice reduction. Hyvärinen, V., (1984, p.3-11-3-14, eng) 39-1287
- Dynamics of George VI Ice Shelf. Pearson, M.R., et al., (1983, p.205-220, eng) 39-1362
- Winter rating curves and ice volume limited water levels. Lavender, S.T., (1984, p.279-294, eng) 39-1468
- Rise pattern and velocity of frazil ice. Wuebben, J.L., (1984, p.297-316, eng) 39-1469
- Measurements of frazil and drifting ice in the Lachine rapids. Michel, B., et al., (1984, p.317-343, eng) 39-1470
- Polar ice sheets: developments since Wegener. Robin, G. de Q., (1981, p.648-663, eng) 39-1532
- Geodetic surveys on the Filchner and Ekström Ice Shelves. Karsten, A., et al., (1984, p.57-63, ger) 39-1602
- Monte Carlo calculations of iceberg draft changes caused by roll. Lewis, J.C., et al., (1984, p.1-10, eng) 39-1617
- Drift of a number of idealized model icebergs. Shirasawa, K., et al., (1984, p.19-30, eng) 39-1619
- On the critical angle for ocean waves entering shore fast ice. Squire, V.A., (1984, p.59-68, eng) 39-1622
- Ice load prediction for Arctic nearshore zone. Vivatrat, V., et al., (1984, p.75-87, eng) 39-1624
- Rigsby stage with remote computer compatible output. Morgan, V.I., et al., (1984, p.59-92, eng) 39-1625
- Basal sliding relations deduced from ice-sheet data. Morland, L.W., et al., (1984, p.131-139, eng) 39-1668
- Mass balance characteristics of former ice sheets. Boulton, G.S., et al., (1984, p.140-152, eng) 39-1669
- Ice dynamics and thermal regime of Taylor Glacier. Robinson, P.H., (1984, p.153-160, eng) 39-1670

- Relationship between bore hole closure and ice crystal structure. Thwaites, R.J., et al. (1984, p.171-179, eng) 39-1672
- Procedure for testing polycrystalline ice in uniaxial tension. Lee, R.W., et al. (1984, p.246-247, eng) 39-1684
- Laboratory investigation of the kinetic friction coefficient of ice. Forland, K.A., et al. (1984, p.19-28, eng) 39-1752
- Viscoelastic buckling of beams and plates on elastic foundation. Spjölind, S.-G., (1984, p.63-72, eng) 39-1756
- Anchor ice in Lachine Rapids, results of observations and analysis. Marcotte, N., (1984, p.151-160, eng) 39-1764
- Analysis of causes for floods during ice run on the lower reaches of the Yellow River. Chen, Z., et al. (1984, p.379-388, eng) 39-1785
- Effect of structural properties on ice-induced self-excited vibrations. Mäkitäinen, M., (1984, p.11-20, eng) 39-1788
- Ice scour and ice ridging studies in Lake Erie. Grass, J.D., (1984, p.33-43, eng) 39-1790
- Geological evidence for 60 meter deep pressure-ridge keels in the Arctic Ocean. Reimnitz, E., et al. (1984, p.189-206, eng) 39-1803
- Recent experience in conducting ice model tests using a synthetic ice modeling material. Schultz, L.A., et al. (1984, p.229-239, eng) 39-1806
- Beaufort Sea ice motions. Pritchard, R.S., (1984, p.95-113, eng) 39-1872
- Fast ice sheet deformation during ice-push and shore ice ride-up. Shapiro, L.H., et al. (1984, p.137-157, eng) 39-1874
- Ice gouging characteristics and processes. Barnes, P.W., et al. (1984, p.185-212, eng) 39-1876
- Interaction of oil and arctic sea ice. Thomas, D.R., (1984, p.441-460, eng) 39-1884
- Rheology of glacier ice. Jezek, K.C., et al. (1985, p.1335-1337, eng) 39-1942
- Study of the M2 tide in the ice-covered Arctic Ocean. Kowalik, Z., (1981, p.201-223, eng) 39-2001
- Sea ice movements from synthetic aperture radar. Rothrock, D.A., et al. (1981, 84p., eng) 39-2261
- Arctic double cone structure for 40-200 ft. (12-60m) water depths. Krahl, N.W., et al. (1985, p.114-119, eng) 39-2403
- Ice sheet indentation resistance in the creep domain. Ladanyi, B., (1985, p.250-254, eng) 39-2421
- Winter ice forces on large offshore structures. Hamza, H., (1985, p.286-293, eng) 39-2426
- Scale effect in ice-structure interactions. Bercha, F.G., et al. (1985, p.310-314, eng) 39-2429
- Mechanical properties of sea ice—a compilation of available data. Lainey, L., et al. (1984, p.884-923, eng) 39-2495
- Ice action on Nanisivik wharf, winter 1979-1980. Frederking, R., et al. (1984, p.996-1003, eng) 39-2496
- Statistical prediction of iceberg trajectories. Garrett, C., (1984, p.3-8, eng) 39-2527
- Forecasting iceberg drift: a comparative study. Gaskill, H.S., et al. (1984, p.8-13, eng) 39-2528
- Millimeter wave radiometric images of the marginal ice zone. Hollinger, J.P., et al. (1984, p.353-358, eng) 39-2537
- Eddy studies during MIZEX 83 by ship and remote sensing. Johannessen, O.M., et al. (1984, p.365-368, eng) 39-2539
- Study of the elastic properties of sea ice in the Bering Sea. Gavrilov, V.P., et al. (1982, p.180-185, eng) 39-2741
- Geodetic glaciology on Filchner Ice Shelf since 1979/80. Köhler, M., (1985, p.18-25, ger) 39-2801
- Lattice vibrations of ices Ih, VIII, and IX. Tse, J.S., et al. (1984, p.6124-6129, eng) 39-2817
- Research activities of West Germany in western Antarctica. Kohnen, H., (1981, p.413-425, ger) 39-2915
- Ice loads upon a cylindrical offshore structure. Kajaste-Rudnitski, J., et al. (1985, 46p. + append., eng) 39-2993
- Arctic ice island and sea ice movements and mechanical properties. First quarterly report, Oct. 1-Dec. 31, 1983. Sackinger, W.M., et al. (1984, 28p. + illus., eng) 39-3151
- Arctic ice island and sea ice movements and mechanical properties. Second quarterly report, Jan. 1-March 31, 1984. Sackinger, W.M., et al. (1984, 175p. + 3 append., eng) 39-3152
- Soil tests from moving ice in the Arctic offshore. Mahar, L.J., et al. (1985, p.169-177, eng) 39-3169
- Probabilistic description of ice forces on an offshore arctic structure. Winkler, M.M., et al. (1985, p.373-385, eng) 39-3186
- Spatial analysis of ice charts. Veneziano, D., et al. (1985, p.386-394, eng) 39-3187
- Selection of environmental design criteria for arctic structures. Myers, P.E., (1985, p.403-411, eng) 39-3189
- Creep properties of ice: theory and experiment. Vinogradov, A.M., (1985, p.447-455, eng) 39-3194
- SHADS: mobile Arctic drilling platform. Steddum, R.E., et al. (1985, p.498-506, eng) 39-3199
- Santa Fe's mobile Arctic drilling barge. Johnson, G.L., et al. (1985, p.507-516, eng) 39-3200
- Three-dimensional analysis of an artificial island. Evgin, E., et al. (1985, p.617-625, eng) 39-3209
- Arctic spills in relationship to sea ice motion. Denner, W.W., et al. (1985, p.878-887, eng) 39-3228
- HF CODAR Doppler transponder system. Crissman, R.D., et al. (1985, p.888-907, eng) 39-3229
- Sea-ice indentation accounting for strain-rate variation. Ting, S.-K., et al. (1985, p.931-941, eng) 39-3232
- CICE code for ice override and ice ridge cone interaction. Hocking, G., et al. (1985, p.962-960, eng) 39-3235
- Arctic drilling and production platform concept. Engel, D.J., et al. (1985, p.1131-1147, eng) 39-3248
- Arctic Ocean background noise caused by riding of sea ice. Pritchard, R.S., (1984, p.419-427, eng) 39-3266
- Scientific research. Dyer, I., (1985, p.85-86, eng) 39-3332
- Growth and mechanical properties of river and lake ice. Ramseier, R.O., (1972, 243p., eng) 39-3387
- IAHR Ice Symposium, 7th, Aug. 27-31, 1984, Vols. 3-4 (1984, 594 + 414p., eng) 39-3465
- Hydraulic characteristics of frazil flocs. Park, C., et al. (1984, p.27-35, eng) 39-3468
- Basic investigations on mush ice. Hellmann, J.-H., (1984, p.37-55, eng) 39-3469
- Ice-structure interaction. Corneau, A., et al. (1984, p.161-174, eng) 39-3479
- Rubble protection—an alternative for arctic exploration. Potter, R.E., et al. (1984, p.221-236, eng) 39-3483
- Contribution to the report of the working group on ice testing. Ladanyi, B., (1984, p.43-53, eng) 39-3495
- Theoretical and measured ice forces on wide structures. Sanderson, T.J.O., (1984, p.151-207, eng) 39-3498
- On the state of art of statistical approaches to ice mechanics. Bercha, F.G., (1984, p.209-238, eng) 39-3499
- Forces associated with ice pile-up and ride-up. Sudhi, D.S., et al. (1984, p.239-262, eng) 39-3500
- Methods for determining ice forces due to first- and multi-year ridges. Krunkkala, T., et al. (1984, p.263-287, eng) 39-3501
- Thermal ice forces against isolated structures. Sanderson, T.J.O., (1984, p.289-299, eng) 39-3502
- Greenland Ice Sheet Program in perspective. Langway, C.C., Jr., et al. (1985, p.1-8, eng) 39-3560
- Mechanical properties of fresh ice core from Dye 3, Greenland. Shoji, H., et al. (1985, p.39-48, eng) 39-3565
- Dating the Dye 3 deep ice core by flow model calculations. Reeh, N., et al. (1985, p.57-65, eng) 39-3567
- Antarctic ice. Radok, U., (1985, p.98-105, eng) 39-3642
- Natural oscillations of an ice-covered channel. Green, T., (1984, p.313-320, eng) 39-3781
- Flow law of ice in polar ice sheets. Doake, C.S.M., et al. (1985, p.255-257, eng) 39-3887
- Methods of studying frozen rocks and ice. Sav'el'ev, B.A., (1985, 222p., rus) 39-4059
- Ice melting**
- Simulation of growth and decay of river ice cover. Shen, H.T., et al. (1984, p.958-971, eng) 39-225
- Water-dioxane clathrates at atmospheric pressure. Diadin, I.U.A., et al. (1984, p.67-73, rus) 39-344
- Water-dioxane clathrates at 10 kbar pressure. Zelenin, I.U.M., et al. (1984, p.73-78, rus) 39-345
- Melting of ice on 500 kV overhead power lines. Gorbunov, A.M., et al. (1984, p.44-45, rus) 39-353
- On the decay and retreat of the ice cover in the summer MIZ. Maykut, G.A., (1984, p.15-22, eng) 39-363
- Melting of ice on power lines. Smet'nikov, V.I.A., et al. (1984, p.53-55, rus) 39-423
- Electrification accompanying melting of ice and snow. Selvikian, I.A.V., (1984, p.51-54, rus) 39-460
- Ice deterioration. Ashton, G.D., (1984, p.31-38, eng) 39-481
- Melting ice I at 77K and 10 kbar. Mishima, O., et al. (1984, p.393-395, eng) 39-550
- Ice disruption by natural heat of underlying sea. Bogorodskii, V.V., et al. (1983, p.52-56, eng) 39-590
- Melting rates in turbulent recirculating flow systems. Szekely, J., et al. (1984, p.1116-1121, eng) 39-602
- Antarctic and Greenland ice sheets and the level of world ocean. Verbitskii, M.I.A., (1982, p.120-124, rus) 39-756
- Thermal erosion in permafrost areas. Krapachev, A.V., et al. (1984, p.65-70, rus) 39-841
- Transport from a vertical ice surface melting in saline water. Johnson, R.S., et al. (1984, p.1928-1932, eng) 39-885
- Thermal metamorphism of antarctic sea ice. Nazimov, I.U.L., et al. (1984, p.23-29, rus) 39-975
- Heat and mass balance observations during the MIZEX 83 drift program. Maykut, G.A., (1984, p.35-46, eng) 39-1128
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- Potential CO2-induced changes in West Antarctica (1984, 236p., eng) 39-1498
- Present and future melting on antarctic ice shelves. Paterson, W.S.B., (1984, p.140-154, eng) 39-1506
- Potential effect of CO2 warming on sub-ice-shelf circulation and basal melting. MacAyeal, D.R., (1984, p.212-221, eng) 39-1509
- Protection of rectifier valves in ice melting devices. Seredin, M.M., et al. (1984, p.67-69, rus) 39-1553
- Mass balance of a melting ice shelf. Potter, J.R., et al. (1984, p.161-170, eng) 39-1671
- Iceberg ablation in the d'Urville Sea. Keys, J.R., et al. (1984, p.218-222, eng) 39-1677
- On the differences in ablation seasons of Arctic and Antarctic sea ice. Andreas, E.L., et al. (1982, 9p., eng) 39-1728
- Developing a water well for the ice backfilling of DYE-2. Rand, J.H., (1982, 19p., eng) 39-1730
- Melting of spherical ice particles falling at terminal velocity in air. Rasmussen, R.M., (1982, 416p., eng) 39-2059
- Melting ice with air bubble. Carey, K.L., (1983, 11p., eng) 39-2094
- Effects of variations in the latent heat of ice fusion in soils on interaction of boreholes with permafrost. Anisimov, M.A., et al. (1984, p.200-203, eng) 39-2156
- Major climatic events associated with a prolonged CO2-induced warming. Flohn, H., (1981, 80p., eng) 39-2325
- Mesoscale description for the principal Bering Sea ice experiment. Ramseier, R.O., et al. (1982, p.231-266, eng) 39-2745
- Surface premelting. Nenow, D., (1984, p.185-225, eng) 39-2936
- Estimates of future sea level rise. Hoffman, J.S., (1984, p.79-103, eng) 39-2992
- Method for weakening the ice cover in northern rivers. Manikian, V., et al. (1985, p.239-250, eng) 39-3177
- Deterioration of floating ice covers. Ashton, G.D., (1985, p.177-182, eng) 39-3286
- Heat and mass transfer in contact melting (applied to thermal drilling). Chistiakov, V.K., et al. (1984, 176p., rus) 39-3377
- Processes and imagery of first-year fast sea ice during the melt season. Holt, B., et al. (1985, p.5045-5062, eng) 39-3437
- Automatic design of ice melting. Shnell', R.V., et al. (1985, p.34-39, rus) 39-3542
- Parameters and schemes for substituting overhead power lines in ice-melting circuits of the wire-wire type. Zhezhenko, I.V., et al. (1985, p.3-8, rus) 39-3543
- Melting of ice in a porous medium. Anisimov, M.A., et al. (1984, p.83-88, rus) 39-3548
- Observations of water mass modification in the vicinity of an iceberg. Allison, L., et al. (1985, p.3-9, eng) 39-3552
- Greenhouse effect and nuclear energy. Okamoto, K., (1984, p.671-678, jpn) 39-3633
- Deicer composition. Standish, N.W., et al. (1966, 6 col., eng) 39-3832
- Deicing apparatus and method. Magenheim, B., (1977, 8 col. + figs., eng) 39-3851
- Deicing and traction forming composition and methods of making same. Lowe, H.E., Jr., (1981, 4 col. + figs., eng) 39-3854
- Ice metal friction**
- See: Metal ice friction
- Ice models**
- Analysis of geophysical data from Dome C and the Ross Ice Shelf. Bentley, C.R., et al. (1983, p.104-105, eng) 39-5
- Model of interactions between ice stream, ocean and solid ground in West Antarctica. Lingie, C.S., (1983, 165p., eng) 39-23
- Improved non-linear model for ice. Szyzskowski, W., et al. (1984, p.1032-1035, eng) 39-111
- Symposium on Ice and Climate Modeling, 1983. (1984, 243p., eng) 39-162
- A three-dimensional time-dependent model of the West Antarctic ice sheet. Budd, W.F., et al. (1984, p.29-36, eng) 39-168
- Cross-sectional model for West Antarctica. McInnes, B.J., et al. (1984, p.95-99, eng) 39-180
- An atmospherically driven sea-ice drift model for the Bering Sea. Pease, C.H., et al. (1984, p.111-114, eng) 39-183
- Reconstruction of the glacial ice covers of Greenland and the Canadian Arctic islands by three-dimensional, perfectly plastic ice-sheet modelling. Reeh, N., (1984, p.115-121, eng) 39-184
- Model simulation of 20 years of northern hemisphere sea-ice fluctuations. Walsh, J.E., et al. (1984, p.170-176, eng) 39-193
- Ice-sheet modeling. Weertman, J., et al. (1984, p.180-184, eng) 39-195
- Observing polar-ice variability. Zwally, H.J., (1984, p.191-198, eng) 39-197
- Modeling the marginal ice zone. Hibler, W.D., III, ed. (1984, 99p., eng) 39-360
- East Greenland Sea ice variability in large-scale model simulations. Walsh, J.E., et al. (1984, p.9-14, eng) 39-362

Ice models (cont.)

- Analysis of linear sea ice models with an ice margin. Lepplanta, M., [1984, p.31-36, eng] 39-365
- Mesoscale coupled ice/ocean modeling of the marginal ice zone. Röed, L.P., et al., [1984, p.37-42, eng] 39-366
- Marginal ice zone modeling: Bering Sea viewpoint. Niebauer, H.J., et al., [1984, p.55-62, eng] 39-369
- Markov model for sea ice trajectories. Colony, R., [1984, p.77-81, eng] 39-372
- Residual entropy of two-dimensional ice on a ruby lattice. Lin, K.Y., et al., [1983, p.2515-2519, eng] 39-557
- Near-surface ground ice in Arctic Alaska. Outcalt, S.I., [1982, p.123-147, eng] 39-660
- Level ice resistance—ideas stemming from the model and the full scale tests. Nyman, T., et al., [1984, p.183-200, eng] 39-1101
- New fine-grain model-ice of Wärtsilä Arctic Research Centre. Enkvist, E., [1984, p.247-259, eng] 39-1105
- Numerical solutions for a rigid-ice model of secondary frost heave. O'Neill, K., et al., [1982, 11p., eng] 39-1266
- Application of a numerical sea ice model to the East Greenland area. Tucker, W.B., [1982, 40p., eng] 39-1268
- Polar ice sheets: developments since Wegener. Robin, G. de Q., [1981, p.648-663, eng] 39-1532
- Mass balance characteristics of former ice sheets. Boulton, G.S., et al., [1984, p.140-152, eng] 39-1669
- Beaufort Sea ice variability. Ross, B., [1984, p.223-226, eng] 39-1678
- Model for predicting ice accretion and ablation in water bodies. Danard, M., et al., [1984, p.1160-1169, eng] 39-1741
- Monte Carlo calculations for ice-rules model. Adams, D.J., [1984, p.4063-4070, eng] 39-1743
- New testing technique of ice strength in compression and bending. Khrapaty, N., et al., [1984, p.83-91, eng] 39-1758
- Anchor ice in Lachine Rapids: results of observations and analysis. Marcotte, N., [1984, p.151-160, eng] 39-1764
- Fine grain model ice. Enkvist, E., et al., [1984, p.217-227, eng] 39-1805
- Recent experience in conducting ice model tests using a synthetic ice modeling material. Schultz, L.A., et al., [1984, p.229-239, eng] 39-1806
- Crystalline structure of urea ice sheets used in modeling in the CRREL test basin. Gow, A.J., [1984, p.241-253, eng] 39-1807
- Two-dimensional climate model useful in ice age application. North, G.R., et al., [1982, p.513-518, eng] 39-1985
- Some ice-age aspects of a calving ice-sheet model. Pollard, D., [1982, p.541-564, eng] 39-1986
- Model of the ice age cycle. Peltier, W.R., et al., [1982, p.565-580, eng] 39-1987
- Sensitivities of cryospheric models to insolation and temperature variations using a surface energy balance. Ledley, T.S., [1982, p.581-597, eng] 39-1988
- Possible explanation of differences between Pre- and Post-Jaramillo ice sheet growth. Watts, R.G., et al., [1982, p.599-604, eng] 39-1989
- Lattice mode spectra of ice Ih and amorphous solid water. Nielson, G., et al., [1984, p.5288-5301, eng] 39-2045
- Model of ice breakup in the marginal ice zone. Smedstad, O.M., et al., [1985, p.876-882, eng] 39-2357
- Model of sea-ice front instabilities. Killworth, P.D., et al., [1985, p.883-888, eng] 39-2358
- Flexural strength and fracture toughness of urea model ice. Timco, G.W., [1985, p.199-208, eng] 39-2414
- Quaternary paleoclimatology. Methods of paleoclimatic reconstruction. Bradley, R.S., [1985, 472p., eng] 39-2885
- Density and rheological properties of glacier ice. Salamin, A.N., et al., [1985, p.94-106, rus] 39-2897
- Centrifugal modeling of ice forces on single piles. Vinson, T.S., et al., [1985, p.489-497, eng] 39-3198
- Constitutive equations for ice as a damaging material. Karr, D.G., [1985, p.908-916, eng] 39-3230
- Exploration of a rigid ice model of frost heave. O'Neill, K., et al., [1985, p.281-296, eng] 39-3276
- Numerical simulation of Northern Hemisphere sea ice variability, 1951-1980. Walsh, J.E., et al., [1985, p.4847-4865, eng] 39-3431
- Ice forces on fixed and floating conical structures. Wessels, E., [1984, p.203-219, eng] 39-3482
- Segmented icebreaking ship model testing technique development. Nawwar, A.M., et al., [1984, p.255-265, eng] 39-3486
- Linear prediction of sea ice anomalies. Johnson, C.M., et al., [1985, p.5665-5675, eng] 39-3531
- Ice mounds**
See: Frost mounds
- Ice movement poles**
See: Markers
- Ice navigation**
On the optimization of ship motion in heavy ice conditions. Nawwar, A.M., [1984, p.176-182, eng] 39-85
- On the Far Eastern meridians. Volmer, H., [1984, p.20-23, rus] 39-124
- Last reconnaissance. Popov, S., [1984, p.23-25, rus] 39-125
- Arctic technology research projects in Finland. Laiho, L., [1984, 60p., eng] 39-233
- Cold ocean engineering bibliography. Goodwin, C.R., ed., [1984, 169p., eng] 39-395
- Winter freight traffic in northern areas. Maslennikov, N., [1984, p.5-6, rus] 39-428
- Calculating ice loads on ships. Chuprikov, V., [1984, p.37-38, rus] 39-429
- Calculating ice growth and deterioration on lakes. Poliakov, K.N., et al., [1984, p.57-73, rus] 39-438
- Submersible systems for ecological research in polar regions. Ray, G.C., [1984, p.54-60, eng] 39-578
- Dynamics of ice cover. Timokhov, L.A., ed., [1984, 219p., eng] 39-681
- Macrofeatures of the stressed state of ice cover. Kupetski, V.N., [1984, p.17-23, eng] 39-683
- Mesostrains in an ice cover. Loshchilov, V.S., [1984, p.27-33, eng] 39-685
- Effect of summer ice on ship speed. Borodachev, V.E., [1984, p.34-40, eng] 39-686
- Ice management in the Labrador Sea. Miller, J.D., et al., [1984, p.45-49, eng] 39-738
- Bibliography of ice properties and forecasting, and ice navigation. Greisman, P.E., [1980, 187p., eng] 39-742
- Performance of silicon dampers in icebreakers. Gorbunov, E.I.A., [1978, p.132-135, rus] 39-747
- Accumulation of deviations, due to errors in correction-signal performance of gyrocompasses in high latitude navigation. Filin, V.M., [1980, p.43-57, rus] 39-748
- Canadian Arctic marine technology R&D program: a review. Glen, I.F., [1984, p.242-255, eng] 39-811
- Statistical characteristics of dates of ice melting and the rate of ice disappearance in the Azov Sea. Kutsurba, A.I., [1984, p.101-105, rus] 39-907
- Improvements in planning the development of merchant marine. Panin, I.U.I., ed., [1983, 88p., rus] 39-963
- Cargo transportation in the Arctic. Egorov, N.P., [1983, p.43-47, rus] 39-964
- Improving the performance of heavy icebreakers in the Arctic. Doban, V.A., et al., [1983, p.47-50, rus] 39-965
- Distribution of the per-ton fee for icebreaker services in the Arctic. Bazanova, E.V., [1983, p.50-51, rus] 39-966
- Compilation of diagrams for the performance of a fleet in the Arctic. Aleksandrovich, A.V., et al., [1983, p.51-54, rus] 39-967
- Estimating ship position among icebergs. Utusikov, I.U.D., [1984, p.64-69, rus] 39-978
- Ship operations in ice: operating instructions. Boteler, D.J., et al., [1981, var.p., eng] 39-995
- Ship operations in ice: hardware manual. Boteler, D.J., et al., [1981, var.p., eng] 39-996
- Ship operations in ice: software manual. Boteler, D.J., et al., [1981, 76p. + appendix., eng] 39-997
- M.V. Arctic special report on Lake Melville probe. Dick, R.A., et al., [1982, 32p., eng] 39-999
- D/E Gzhiga operations off Hobbs Coast and organization of the new antarctic station Russkaya. Kornilov, N.A., et al., [1984, p.5-12, rus] 39-1006
- Antarctic ice berths. Dubrov, L.I., et al., [1984, p.33-41, rus] 39-1008
- United States Arctic interests: the 1980s and 1990s. Westermeyer, W.E., ed., [1984, 369p., eng] 39-1012
- Transportation of Arctic energy resources. Westermeyer, W.E., [1984, p.105-133, eng] 39-1013
- United States security interests in the Arctic. Johnson, G.L., et al., [1984, p.268-294, eng] 39-1016
- Navigation of Arctic polar submarines. Lyon, W.K., [1984, p.155-179, eng] 39-1019
- Predicting engine failures in ice-navigating ships. Lakhanin, V.V., et al., [1984, p.18-21, rus] 39-1081
- Stages in the development of Soviet icebreaking cargo ships. Andrienko, V.G., et al., [1984, p.52-55, rus] 39-1083
- Ship strength and winter navigation. [1984, 259p., eng] 39-1095
- Rational approach to ship strength problems. Varsta, P., [1984, p.9-30, eng] 39-1096
- Determination of ice loads semiempirically. Varsta, P., [1984, p.177-182, eng] 39-1100
- Level ice resistance—ideas stemming from the model and the full scale tests. Nyman, T., et al., [1984, p.183-200, eng] 39-1101
- Ice loads of propulsion machinery. Jussila, M., [1984, p.201-212, eng] 39-1102
- Measurements of ice loads. Vuorio, J., [1984, p.213-229, eng] 39-1103
- Up-dating of the Finnish-Swedish ice class rules. Edelmann, G., [1984, p.231-245, eng] 39-1104
- New fine-grain model-ice of Wärtsilä Arctic Research Centre. Enkvist, E., [1984, p.247-259, eng] 39-1105
- Pressure ridge formation in ice cover of the Caspian Sea. Bukharitsin, P.I., [1984, p.115-123, rus] 39-1174
- Low friction hull coatings for ships. Tuukkanen, K., et al., [1983, p.72-80, eng] 39-1316
- Ice surveying. Strugatski, V., [1984, 128p., rus] 39-1385
- New navigation method in heavy ice. Shatalin, N., [1984, p.24-25, rus] 39-1549
- Navigation methods for extremely dangerous ice conditions. Polunin, F., et al., [1984, p.28-33, rus] 39-1563
- Nuclear-powered lighter carrier for the Arctic. Vorob'ev, V., et al., [1983, p.18-23, eng] 39-1574
- Hydroacoustic techniques for research and exploitation of the ocean. Bogorodskii, A.V., et al., [1984, 264p., rus] 39-1667
- Ice management for Beaufort Sea production harbours. Andersen, P.F., et al., [1984, p.303-314, eng] 39-1778
- Methods of ice control for winter navigation in inland waters. Frankenstein, G.E., et al., [1984, p.329-337, eng] 39-1780
- Problems of river shipping in ice-bound conditions. Tronin, V.A., et al., [1984, p.255-266, eng] 39-1808
- Great Lakes limited season extension operation of Sault Ste. Marie Locks, Michigan, U.S.A. Beurket, R.T., et al., [1984, p.267-276, eng] 39-1809
- Ship-hull motion through brash ice. Kitazawa, T., et al., [1984, p.277-286, eng] 39-1810
- Improved marine radar display for navigation in ice-infested waters. Lewis, E.O., et al., [1984, p.363-374, eng] 39-1817
- Effect of frequency and polarization on marine radar detection of ice targets in an ice cover. Lewis, E.O., et al., [1984, p.375-384, eng] 39-1818
- Ultimate strength of side grillage structures of ice-strengthened ships. Benenson, A.M., et al., [1984, p.5-8, rus] 39-1842
- Arctic Offshore Technology Conference, 1984. [1984, var.p., eng] 39-1845
- Design and operation of a class four icebreaker fleet for the Beaufort Sea. Browne, R., [1984, 8p., eng] 39-1859
- Operation, testing and design of vessels in the Canadian Beaufort Sea. Churcher, A.C., et al., [1984, 34p., eng] 39-1865
- Hydrologic studies in estuarine areas of Arctic rivers. Ivanov, V.V., ed., [1984, 135p., rus] 39-2012
- Forecasting ice conditions in estuaries of northern rivers. Ivanov, V.V., et al., [1984, p.75-80, rus] 39-2017
- Estimating ice breakup dates for rivers of the Kara Sea basin. Nalimov, I.U.V., et al., [1984, p.97-110, rus] 39-2020
- Ice formation and distribution in the Ob' and Taz Bays. Vorob'ev, V.N., et al., [1984, p.111-120, rus] 39-2021
- Ice navigation, report. [1984, 11p., eng] 39-2035
- Main transportation route in the Soviet Arctic. Arikainen, A.I., [1984, 192p., rus] 39-2036
- Frame structure of inland- and combined-navigation ships. Protopopov, V.B., et al., [1984, 375p. (Pertinent p. 242-246 and 293-301), rus] 39-2197
- Advanced types of ships and their seafaring qualities. Panin, I.U.I., ed., [1983, 137p., rus] 39-2200
- Multipurpose feeder-lighters for the Arctic. Mirosnichenko, I.P., et al., [1983, p.3-15, rus] 39-2201
- Designing metallic frames for ice-navigating ships. Karavanov, S.B., [1983, p.89-95, rus] 39-2202
- Modeling ship movement in ice. Tsol, L.G., et al., [1983, p.95-99, rus] 39-2203
- Air cushion ships and floats for ice navigation. Khmurin, V.M., [1983, p.106-110, rus] 39-2204
- Architectural and structural design of submarine transport vessels. Evdokimov, G.P., [1983, p.110-118, rus] 39-2205
- Utilization of heat on diesel-electric icebreakers. Chernen'ki, V.A., [1983, p.27-31, rus] 39-2206
- Ivan Papanin—hero of the Arctic. Documented essay. Tikhomirov, G.S., [1984, 188p., rus] 39-2240
- Fracture toughness evaluation of steels for Arctic marine use. [1984, var.p., eng] 39-2256
- Some aspects of ice engineering in Japan. Kitagawa, H., et al., [1985, p.271-280, eng] 39-2424
- Determination of propeller-ice milling loads. Kotras, T., et al., [1985, p.336-343, eng] 39-2433
- Ship ice impact analysis. Koehler, P.E., et al., [1985, p.344-350, eng] 39-2434
- Large-capacity ships in the Arctic. Il'inski, K., [1985, p.27-32, rus] 39-2455
- Ice jam halts lakers. Perkins, J., et al., [1984, p.221-223, eng] 39-2718
- Offshore structures and ice-infested waters in Canada. [1984, p.3-15, 46-57, eng] 39-2873
- Soviet-Canada cooperation in ice navigation. [1984, p.33-36, eng] 39-2875
- Arctic shipping. [1984, p.37-46, eng] 39-2876
- RADARSAT—the challenge of daily satellite ice reconnaissance. Shaw, E., [1982, p.1G.4.1-1G.4.6, eng] 39-2901
- Arctic Pilot Project. Sinclair, G.W., [1984, p.10-14, eng] 39-2922
- Ships for Arctic waters. Beghin, D., [1983, p.842-850, fre] 39-2940
- Design of an Arctic merchant ship. Bonmort, J., et al., [1983, p.851-860, fre] 39-2941
- Technigaz project of an icebreaker methane carrier with membrane tanks. Pauthier, J., [1983, p.861-865, fre] 39-2942

- Hull scantling of large merchant icebreakers.** Huther, M., et al. (1983, p.866-878, fre) 39-2943
- Arctic icebreakers during the war years.** Stefanovich, A.N. (1985, p.51-54, rus) 39-3019
- German ice technology.** Rodder, J., ed. (1985, p.217-238, eng) 39-3037
- Sea ice of the southern ocean and navigation conditions.** Romanov, A.A. (1984, 88p. + charts, rus) 39-3057
- Determination of packing density of sea ice from satellite photographs.** Aleksandrov, V.I.U., et al. (1985, p.5-11, rus) 39-3104
- Logistics for structures sealed to the Arctic.** Ganguly, F., et al. (1985, p.285-293, eng) 39-3181
- Design of an icebreaking offshore supply vessel.** Seligman, A.R., et al. (1985, p.294-308, eng) 39-3182
- Arctic ocean engineering for the 21st century; Proceedings.** (1985, 234p, eng) 39-3326
- Arctic work systems.** Brigham, L.W., (1985, p.67-71, eng) 39-3330
- Transportation.** Vance, G., (1985, p.77-82, eng) 39-3331
- Sea ice management.** Denner, W., (1985, p.89-92, eng) 39-3333
- My polar travels.** Treshnikov, A.F., (1985, 478p, rus) 39-3348
- Arctic vessel design.** German, J.G., (1984, p.25-36, eng) 39-3367
- Hovertarge in the Arctic.** Ramsden, H.D., (1984, p.83-85, eng) 39-3368
- Architectural and structural type, nautical and ice-navigational qualities of promising ships.** Panin, I.U.I., ed. (1984, 105p, rus) 39-3382
- Ice navigation properties of icebreakers with limited draft.** Tsot, L.G., et al. (1984, p.45-49, rus) 39-3383
- Ship frame damage in ice navigation.** Karavanov, S.B., (1984, p.80-84, rus) 39-3384
- Calculating ship velocities in ice.** Bogdanov, A.A., (1984, p.87-90, rus) 39-3385
- Calculating metal-ice friction coefficients for ships.** Ierusalimskii, A.V., et al. (1984, p.90-96, rus) 39-3386
- Antarctic marine environments and offshore oil.** Keys, J.R., (1984, 168p, eng) 39-3425
- IAHR Ice Symposium, 7th, Aug. 27-31, 1984; Vols. 3-4.** (1984, 594 + 414p, eng) 39-3465
- Ice-milling load on propellers.** Sasajima, T., et al. (1984, p.281-295, eng) 39-3488
- Ice resistance of icebreakers in relation to hull shape and dimensions.** Ionov, B.P., (1984, p.315-323, eng) 39-3490
- New bow for M.V. Arctic.** Baker, D.N., et al. (1984, p.323-341, eng) 39-3491
- Effect of hull plating roughness on the passability of ship in ice.** Ierusalimskii, A.V., et al. (1984, p.343-352, eng) 39-3492
- Air-cushion vessels.** Liubimov, V.I., et al. (1984, 207p, rus) 39-3529
- Ice August -84.** Biriukov, E., (1985, p.23, 28, rus) 39-3534
- Problems of the Arctic and Antarctic, Vol.51, 1977.** Treshnikov, A.F., ed. (1984, 184p, eng) 39-3643
- Short-range forecasting of ship icing.** Tsvetukhin, A.S., (1984, p.1-9, eng) 39-3644
- Short-range forecast of zones of ice compression caused by wind drift of ice.** Ivchenko, V.O., et al. (1984, p.10-17, eng) 39-3645
- Calculating the redistribution of drifting ice.** Maslovskii, M.I., (1984, p.18-24, eng) 39-3646
- Formation of average monthly air temperatures during the period of winter cooling of the sea in the western part of the Arctic.** Ivanov, V.V., (1984, p.33-41, eng) 39-3648
- Forecasting spring ice conditions in the Anadyr Bay.** Arikainen, A.I., (1984, p.57-67, eng) 39-3651
- Problems of the Arctic and Antarctic, Vol.57, 1977.** Treshnikov, A.F., ed. (1985, 142p, eng) 39-3667
- Determination of loads on an icebreaker fender device.** Makeev, A.N., et al. (1985, p.20-21, rus) 39-3746
- Designs created to support Alaskan offshore exploration.** (1985, p.97-98, eng) 39-3926
- Ice needles**
- Morphology and environment of some periglacial features on South Georgia.** Heilbronn, T.D., et al. (1984, p.21-36, eng) 39-138
- Ice nuclei**
- Ice nucleation in supercooled water.** Vonnegut, B., et al. (1984, p.486-490, eng) 39-99
- Testing generators for ice-forming aerosols.** Beliaev, S.P., et al. (1984, p.124-130, rus) 39-485
- Scattering of elliptically polarized waves by different cloud particles.** Nazirov, Z.N., (1984, p.3-9, rus) 39-545
- Distribution of seeding zones in cloud modification.** Ushintseva, V.F., (1984, p.49-56, rus) 39-547
- Model studies on ice-forming aerosol generators used to seed clouds.** Beliaev, S.P., et al. (1983, p.48-53, rus) 39-588
- Repeated nucleation of supercooled water sample.** Wang, M.K., et al. (1984, p.23-29, eng) 39-599
- Studying the aerosol structure of hailstones.** Tisov, M.I., et al. (1984, p.88-96, rus) 39-927
- Evaluation of lead aerosols by an ice nucleation method.** Ueno, Y., et al. (1982, p.251-258, eng) 39-1656
- Nucleation and growth of ice in solutions.** MacFarlane, D.R., (1982, 411p, eng) 39-2005
- Nucleation of ice in undercooled water and aqueous polymer solutions.** Franks, F., et al. (1984, p.275-285, eng) 39-2051
- Vapor pressure of water over supercooled liquid water.** Detwiler, A., (1983, p.503-504, eng) 39-2080
- Microphysics of hailstone nucleation and growth.** Khorguani, V.G., (1984, 187p, rus) 39-2119
- Space shuttle ice nuclei.** Turco, R.P., et al. (1982, p.830-832, eng) 39-2211
- Effect of particle size on ice nucleation.** Prodi, F., et al. (1982, p.945-952, eng) 39-2214
- Weather changes due to atmospheric seeding with ice-forming nuclei.** Detwiler, A., et al. (1982, p.1045-1047, eng) 39-2215
- Cloud nuclei in the effluents from launches of rockets.** Hindman, E.E., et al. (1982, p.1323-1331, eng) 39-2216
- Experimental studies of nucleation by dry ice.** Horn, R.D., et al. (1982, p.1567-1570, eng) 39-2217
- Asymmetries of the melting transition.** Bilgram, J.H., (1983, p.335-346, eng) 39-2271
- All-Union conference on radar meteorology, 6th, Tallin, Apr. 20-23, 1982. Proceedings** (1984, 357p, rus) 39-3072
- Radar detection of hail formation in clouds.** Abashvili, M.T., (1984, p.80-91, rus) 39-3073
- Ice optics**
- Shortwave flux over snow and ice cover.** Shine, K.P., (1984, p.747-764, eng) 39-144
- Whole-field interferometric scheme for measuring strain and flow rates of glacier and other natural surfaces.** Cloud, G., et al. (1983, p.492-497, eng) 39-209
- Spectra of H₂O and D₂O ice clathrates.** Johari, G.P., et al. (1984, p.281-284, eng) 39-559
- Spectral properties of ice-particulate mixtures.** Clark, R.N., et al. (1984, p.6341-6348, eng) 39-679
- Permafrost structure in the Chara basin.** Sannikov, S.A., et al. (1984, p.55-65, rus) 39-840
- Light transmission through lake ice.** Roulet, N.T., et al. (1984, p.67-74, eng) 39-881
- Physics of the patterns of frost on a window, plus an easy-to-read sundial.** Walker, J., (1980, p.230-238, eng) 39-1208
- Spectral albedo of snow and ice.** Kuhn, M., et al. (1982, p.282-283, ger) 39-1217
- Albedo studies on a glacier by means of black-and-white photographs.** Kiese, H., (1982, p.284-286, ger) 39-1218
- Some ice crystals that made halos.** Tape, W., (1983, p.1641-1645, eng) 39-1220
- Colors of snow, frozen waterfalls, and icebergs.** Bohren, C.F., (1983, p.1646-1652, eng) 39-1221
- Polarized light scattering by hexagonal ice crystals: theory.** Cai, Q., et al. (1982, p.3569-3580, eng) 39-1479
- Spectral reflection of snow, ice and water.** Zeng, Q., et al. (1984, p.647-656, eng) 39-2085
- Special colour enhancement for three channels having similar radiances.** Thomas, I.L., et al. (1984, p.753-760, eng) 39-2354
- Electrical properties of ice in the ice-edge zone of the Bering Sea at 10 GHz frequency.** Bogorodskii, V.V., et al. (1982, p.215-230, eng) 39-2744
- Piezoelectric theory and its application to ice.** Whalley, E., et al. (1984, p.6119-6123, eng) 39-2816
- Airborne measurements of freshwater ice albedos.** Leshkevich, G.A., et al. (1985, p.1677-1687, eng) 39-3711
- Ice override**
- Late Tertiary history of the antarctic ice sheet from Dry valleys evidence.** Denton, G.H., et al. (1984, p.263-267, eng) 39-19
- Shore ice override and pileup features.** Beaufort Sea Kovacs, A., (1984, 28p. + map, eng) 39-1142
- Fast ice sheet deformation during ice-push and shore ice ride-up.** Shapiro, L.H., et al. (1984, p.137-157, eng) 39-1874
- Effect of ice override and pileup on artificial islands.** Hocking, G., et al. (1985, 185-192, eng) 39-3171
- Ice loads on structures with compound slopes.** Coon, M.D., et al. (1985, p.267-275, eng) 39-3179
- CLICE code for ice override and ice ridge cone interaction.** Hocking, G., et al. (1985, p.962-960, eng) 39-3235
- Forces associated with ice pile-up and ride-up.** Sodhi, D.S., et al. (1984, p.239-262, eng) 39-3500
- Ice physics**
- Method of calculating sublimational recrystallization of snow.** Kolomyts, E.G., (1984, p.45-55, rus) 39-295
- Mechanics of ice failure at different temperatures.** Epifanov, V.P., (1984, p.188-196, rus) 39-320
- Investigation of the failure envelope of granular/discontinuous-columnar sea ice.** Timco, G.W., et al. (1984, p.17-27, eng) 39-328
- Development of a uniaxial ice tensile specimen for low temperature testing.** Cuda, V., Jr., et al. (1984, p.47-52, eng) 39-331
- Optimum form of pulses in radar sounding of sea ice.** Finkel'shten, M.I., (1971, p.2179-2182, eng) 39-359
- Great Lakes Ice Research Workshop, Columbus, OH, 1983.** (1984, 78p, eng) 39-480
- Residual entropy of two-dimensional ice on a ruby lattice.** Lin, K.Y., et al. (1983, p.2515-2519, eng) 39-557
- Orientation correlation tensor in ice I, III, IV, V and VI.** Johari, G.P., et al. (1984, p.11-14, eng) 39-560
- Relations between ice strain and acoustic signal velocity and attenuation.** Voronina, I.I.U., et al. (1983, p.183-187, eng) 39-592
- Phonon conductivity of ice single crystals.** Kumar, A., et al. (1983, p.679-683, eng) 39-667
- Dynamics of ice cover.** Timokhov, L.A., ed. (1984, 219p, eng) 39-681
- Water and aqueous solutions.** Horne, R.A., ed. (1972, 837p, eng) 39-805
- Transport properties of ice.** Jaccard, C., (1972, p.25-64, eng) 39-807
- Brillouin scattering from H₂O: liquid, ice VI, and ice VII.** Polian, A., et al. (1983, p.6409-6412, eng) 39-1063
- On the conduction band energy of ice.** Grand, D., et al. (1983, p.119-122, eng) 39-1064
- Studying the emissivity of ice and snow covers.** Belich, R.B., (1984, p.91-102, rus) 39-1134
- Aging phenomena in ice (Ih).** Tazibouet, J., et al. (1981, p.1473-1480, fre) 39-1150
- Theoretical basis for obtaining friable ice.** Smorygin, G.I., (1984, 157p, rus) 39-1154
- Calculation of ice depolarization on satellite radio paths.** Tsolakis, A., et al. (1983, p.1287-1293, eng) 39-1223
- Observations on ice layers.** Heide, H.-G., (1984, p.271-278, eng) 39-1224
- Radar scattering of hailstones and mixed-phase hydrometeors.** Aydin, K., et al. (1984, p.58-66, eng) 39-1249
- Scattering properties of ice and snow in clouds.** Moninger, W.R., et al. (1984, p.149-156, eng) 39-1250
- Polar ice sheets, developments since Wegener.** Robin, G. de Q., (1981, p.648-663, eng) 39-1532
- Energies of the phases of ice at zero temperature and pressure.** Whalley, E., (1984, p.4087-4092, eng) 39-1577
- Electron spin resonance study of irradiated D₂O ice.** Hase, H., et al. (1983, p.3216-3218, eng) 39-1582
- Two-dimensional ice-type vertex model with two types of staggered sites. I. The free energy and polarization.** Bariev, R.Z., (1982, p.1021-1028, eng) 39-1649
- Two-dimensional ice-type vertex model with two types of staggered sites. II. A system of two interacting modified KDP models.** Bariev, R.Z., (1984, p.207-210, eng) 39-1650
- Monte Carlo calculations for ice-rules model.** Adams, D.J., (1984, p.4063-4070, eng) 39-1743
- IAHR Ice Symposium, 7th, Hamburg, Aug. 27-31, 1984.** (1984, 2 vols., eng) 39-1750
- Physical properties of liquid water and ice.** Reimers, J.R., et al. (1984, p.201-223, eng) 39-2011
- On the physicochemical properties of the surface of dispersed ice (snow).** Fedoseev, N.F., et al. (1984, p.222-225, eng) 39-2161
- Theory of inelastic relaxation of ice.** Petrenko, V.F., et al. (1984, p.2681-2688, rus) 39-2186
- Uni-axial constitutive equation of ice from beam tests.** Xirouchakis, P.C., et al. (1985, p.238-243, eng) 39-2419
- Determining physical properties of sea ice by remote sensing.** Ratzer, V.I.U., et al. (1985, p.23-31, rus) 39-2464
- Thermodynamic properties of water in the supercooled region.** Leyendekkers, J.V., et al. (1985, p.1440-1453, eng) 39-2509
- Intermolecular interactions in ice and liquid water.** Cummins, P.L., et al. (1985, p.2002-2013, eng) 39-2510
- Climatic and physical characteristics of the Greenland ice sheet.** Radok, U., et al. (1982, 193p + appendix + maps, eng) 39-2710
- Radiothermal emission of melting ice.** Kondrat'ev, K.I.A., et al. (1985, p.839-842, rus) 39-2730
- USSR-USA Bering Sea Experiment, Proceedings.** Kondrat'ev, K.I.A., ed. (1982, 307p, eng) 39-2737
- Physical and chemical properties of ice in the Bering Sea ice-edge zone.** Morozov, P.T., (1981, p.186-190, eng) 39-2742
- Electrical properties of ice in the ice-edge zone of the Bering Sea at 10 GHz frequency.** Bogorodskii, V.V., et al. (1982, p.215-230, eng) 39-2744
- Radio-echo logging of wells in glaciers.** Macheret, I.U.A., et al. (1984, p.198-203, rus) 39-2791
- Filchner-Ronne Ice Shelf programme, Report 2 (1985).** Kohlen, H., comp. (1985, 136p, ger) 39-2799
- Floating ice thickness measurement.** (1985, 76p, eng) 39-2841
- Quaternary paleoclimatology. Methods of paleoclimatic reconstruction.** Bradley, R.S., (1985, 472p, eng) 39-2885
- Discrete reflections from thin layers of snow and ice.** Jezek, K.C., et al. (1984, p.323-331, eng) 39-2971
- Transition between amorphous phases of high pressure ice.** Mishima, O., et al. (1985, p.76-78, eng) 39-3126
- Migration of chemical elements in the cryolithozone.** Makarov, V.N., ed. (1985, 129p, rus) 39-3351
- 4th report of working group on testing methods in ice.** Earle, E.N., et al. (1984, p.1-41, eng) 39-3494

Ice physics (cont.)

Greenland ice core geophysics, geochemistry, and the environment. Langway, C.C., Jr., ed. (1985, 118p., eng.) 39-3559

Greenland Ice Sheet Program in perspective. Langway, C.C., Jr., ed. (1985, p.1-8, eng.) 39-3560

Antarctic ice. Radok, U., (1985, p.98-105, eng.) 39-3642

Current methods and results of investigations of the physics of ice and the ocean. Bogorodskii, V.V., (1984, p.71-86, eng.) 39-3671

Methods of studying frozen rocks and ice. Savet'ev, B.A., (1985, 222p., rus.) 39-4059

Ice pileup

Method of detecting voids in rubble ice. Tucker, W.B., et al. (1984, p.183-188, eng.) 39-343

Shore ice override and pileup features. Beaufort Sea. Kovacs, A., (1984, 28p. + map, eng.) 39-1142

Fast ice sheet deformation during ice-push and shore ice ride-up. Shapiro, L.H., et al. (1984, p.137-157, eng.) 39-1874

Effect of ice override and pileup on artificial islands. Hocking, G., et al. (1985, 185-192, eng.) 39-3171

CICE code for ice override and ice force cone interaction. Hocking, G., et al. (1985, p.962-960, eng.) 39-3235

Ice action on hydraulic structure slopes. Aleknikov, S.M., et al. (1984, p.237-248, eng.) 39-3484

Forces associated with ice pile-up and ride-up. Sodhi, D.S., et al. (1984, p.239-262, eng.) 39-3500

Ice plasticity

Ice dynamics. Hibler, W.D., III, (1984, 52p., eng.) 39-896

Ice load prediction. Vivatrat, V., et al. (1985, p.942-952, eng.) 39-3233

Ice pressure

Ice pressure in solar collector panels. Tovarnykh, G.N., et al. (1982, p.55-59, eng.) 39-223

Preliminary investigation of thermal ice pressures. Cox, G.F.N., (1984, p.221-229, eng.) 39-399

Bridge construction on icebound river. Rasskazov, I.D., et al. (1984, p.10-11, rus.) 39-674

Macrofeatures of the stressed state of ice cover. Kupetskiy, V.N., (1984, p.17-23, eng.) 39-683

Stresses in a compact ice cover. Timokhov, L.A., (1984, p.41-50, eng.) 39-687

Canadian Arctic marine technology R&D program: a review. Glen, I.F., (1984, p.242-255, eng.) 39-811

Performance of mechanical equipment of hydroelectric power plants under northern conditions. Martenson, V.A., (1984, p.31-34, rus.) 39-894

Experimental investigation of ice forces on cone-shaped structures. Strickland, G.E., (1973, 62p. + figs., eng.) 39-900

Ship operations in ice: software manual. Boteler, D.J., et al. (1981, 76p. + append., eng.) 39-997

Up-dating of the Finnish-Swedish ice class rules. Edelmann, G., (1984, p.231-245, eng.) 39-1104

Bering Strait sea ice and the Fairway Rock icefoot. Kovacs, A., et al. (1982, 40p., eng.) 39-1273

Frost damage of the protecting slope of the reservoir dams and the treatments to them in Suihua area. Wu, Y., (1984, p.69-76, chi.) 39-1542

Probabilistic selection of ice loads and pressures. Vivatrat, V., et al. (1984, p.375-391, eng.) 39-1572

Basal sliding relations deduced from ice-sheet data. Morland, L.W., et al. (1984, p.131-139, eng.) 39-1668

Crushing ice forces on cylindrical structures. Morris, C.E., et al. (1984, p.1-9, eng.) 39-1787

Summer impact loads from multiyear floes. Kreider, J., (1984, p.55-65, eng.) 39-1792

Analysis and model tests of pressure ridges failing against conical structures. Wang, Y.S., (1984, p.67-76, eng.) 39-1793

Estimation of internal pressure due to a growth of ice thickness in a caisson. Sacki, H., et al. (1984, p.97-109, eng.) 39-1796

Ice uplift forces on a pile. Coe, T.J., (1982, 81p., eng.) 39-1840

Ice sheet indentation resistance in the creep domain. Ladanyi, B., (1985, p.250-254, eng.) 39-2421

Flexural and longitudinal elastic wave propagation theory applied to ice flow impact with sloping structures. Luk, C.H., (1985, p.260-270, eng.) 39-2423

Ice action on Nanisivik wharf, winter 1979-1980. Frederking, R., et al. (1984, p.996-1003, eng.) 39-2496

Ice forces on rigid, vertical, cylindrical structures. Sodhi, D.S., et al. (1984, 36p., eng.) 39-2515

Theoretical model of the fracture of rock during freezing. Walder, J., et al. (1985, p.336-346, eng.) 39-3097

Ice forces due to impact loading on a slope structure. Evans, R.J., et al. (1985, p.220-229, eng.) 39-3175

Centrifugal modeling of ice forces on single piles. Vinson, T.S., et al. (1985, p.489-497, eng.) 39-3198

Sea-ice indentation accounting for strain-rate variation. Ting, S.-K., et al. (1985, p.931-941, eng.) 39-3232

Local pressure in ice-structure interactions. Bercha, F.G., et al. (1985, p.1243-1251, eng.) 39-3255

Influence of ice relaxation on crumpling of casing pipes. Griaznov, G.S., et al. (1984, p.24-25, rus.) 39-3304

Laboratory studies of ice pressure on well casings. Kuznetsov, V.G., et al. (1985, p.11-13, rus.) 39-3308

Ship frame damage in ice navigation. Karavanov, S.B., (1984, p.80-84, rus.) 39-3384

Ice forces during failure by crushing against structures. Pulkkinen, E., (1984, p.17-26, eng.) 39-3467

Ice pressure against a structure in level ice and pressure ridges. Hoikkaen, J., (1984, p.151-160, eng.) 39-3478

Ice properties in relation to ice forces. Nadreau, J.P., et al. (1984, p.63-115, eng.) 39-3496

Ice forces on structures: physical modelling techniques. Timco, G.W., (1984, p.117-150, eng.) 39-3497

Theoretical and measured ice forces on wide structures. Sanderson, T.J.O., (1984, p.151-207, eng.) 39-3498

Methods for determining ice forces due to first- and multi-year ridges. Krankkala, T., et al. (1984, p.263-287, eng.) 39-3501

Reference book on construction in water under severe climatic conditions. Gordes, E.G., et al. (1984, 383p., rus.) 39-3508

Bore-hole survey at Dye 3, south Greenland. Gundestrup, N.S., et al. (1984, p.282-288, eng.) 39-3776

See also: Ice push

See: Pressure ridges

See: Ice prevention

Atmospheric icing on sea structures. Makkonen, L., (1984, 92p., eng.) 39-97

Melting of ice on power lines. Sine'nikov, V.I.A., et al. (1984, p.53-55, rus.) 39-423

How to control ice formation on natural-draft cooling towers. Adams, T.A., Jr., (1983, p.45-47, eng.) 39-489

Ice disruption by natural heat of underlying sea. Bogorodskii, V.V., et al. (1983, p.52-56, eng.) 39-590

Aerostat icing problems. Hanamoto, B., (1983, 29p., eng.) 39-874

Aircraft icing and countermeasures. Grant, R.S., (1984, p.46-48, eng.) 39-1319

Reliability of overhead power lines and the calculation of standardized climatic loads. Golikov, B.F., (1984, p.52-55, rus.) 39-1552

Protection of rectifier valves in ice melting devices. Seredin, M.M., et al. (1984, p.67-69, rus.) 39-1553

Technical requirements for installations and power lines when melting ice accretions. Diakov, A.F., et al. (1984, p.62-66, rus.) 39-2104

Present state-of-the-art of transmission line icing. Pohlman, J.C., et al. (1982, p.2443-2450, eng.) 39-1238

Ice formation precursor research. Huang, Y.F., et al. (1983, 81p., eng.) 39-2677

Ice-preventing materials of the Orenburg region. Glagolev, E.V., et al. (1984, p.13-14, rus.) 39-2856

Test of a horizontal heat pipe deicing panel for use on marine vessels. Matsuda, S., et al. (1982, p.3-10, eng.) 39-2908

Deicing boot and method of making the same. Son Gullberg, H.H., (1970, 6 col. + figs., eng.) 39-3836

Device for deicing surfaces of thin-walled structures. Levin, I.A., et al. (1970, 6 col. + figs., eng.) 39-3840

Device for deicing rails. Obata, Y., (1972, 4 col. + figs., eng.) 39-3844

Ice-preventive and deicing oil-in-water emulsion. Ayres, D.J., (1973, 12 col., eng.) 39-3846

Method for deicing aircraft. Thornton-Trump, W.E., (1977, 8 col., eng.) 39-3850

Electrically heated air data sensing device. Doremus, J.A., et al. (1978, 6 col., eng.) 39-3853

Study of laser deicing. Gajda, W.J., (1983, 40p., eng.) 39-3922

Microwave coupling to ice/metal structures. Kwor, R.Y.C., et al. (1983, 58p., eng.) 39-3923

Preventing slippery surface on snow and ice. Hicke, E., (1974, 4 col. + figs., ger.) 39-4010

Preventing slippery surface on snow and ice. (1981, 4 col., ger.) 39-4011

Anti-icing additive to red mud for road construction. Bayer, G., et al. (1984, 4 col., ger.) 39-4012

See also: Chemical ice prevention; Ice control

See: Ice push

Offshore ice investigation, North Slope, Alaska: Final report. (1970, 53p. + append., eng.) 39-898

Fast ice sheet deformation during ice-push and shore ice ride-up. Shapiro, L.H., et al. (1984, p.137-157, eng.) 39-1874

See: Ice rafting

Scientific-practical conference on the topic "Man and nature in the Far East". Vladivostok, Oct. 4-5, 1984. Summaries. Krasnov, E.V., ed. (1984, 166p., rus.) 39-3059

Estimating the amount of shore deposits removed by ice rafting. Archikov, E.I., et al. (1984, p.74-75, rus.) 39-3061

Geochemical landscapes of the Karelia-Kola Peninsula region. Stukkel, G.A., (1985, p.14-21, rus.) 39-3540

See: Ice reconnaissance

See: Ice reporting, Ice surveys

Ice regime

See: Ice conditions

Ice relaxation

Discussion: Electromagnetic properties of sea ice by R.M. Morey, A. Kovacs and G.F.N. Cox. Arcone, S.A., (1984, p.93-94, eng.) 39-1626

Authors' response to discussion on Electromagnetic properties of sea ice. Morey, R.M., et al. (1984, p.95-97, eng.) 39-1627

Ice removal

Keeping America's roads safe during winter. Atkinson, J., (1984, p.56-58, 62, eng.) 39-93

Electrical impulses for aircraft de-icing. Whittington, H., (1984, p.40, eng.) 39-597

Snow and ice removal equipment KO-705SL. Zuev, G.I.A., et al. (1984, p.16-17, rus.) 39-826

KO-707SL snow and ice removal plows. (1984, p.23, rus.) 39-828

KO-601 ice removing equipment for roads. Izotov, E.N., et al. (1984, p.23-24, rus.) 39-829

Aircraft icing and countermeasures. Grant, R.S., (1984, p.46-48, eng.) 39-1319

Salt and spreaders: dynamic duo battles snow and ice. (1984, p.114-115, eng.) 39-1738

Flexible ice-shedding pavement salt alternative test begins in Minnesota. (1985, p.21, eng.) 39-2716

Guide to winter maintenance equipment and materials. (1984, p.15-37, eng.) 39-2729

Ultrasonic version of an ice-removing machine. Ermilov, A., (1985, p.12-13, rus.) 39-2884

Developments, aims and possibilities of winter service on federal highways. Kuhle, H., (1985, p.63-68, ger.) 39-2889

Snowfighters face many challenges. Atkinson, J., (1985, p.74-84, eng.) 39-3032

Ice protection equipment for port and ship repair yards. Ivanov, L.V., et al. (1984, p.89-97, eng.) 39-3473

Ice-cutting equipment for river ports. Glebov, A., et al. (1984, p.28, rus.) 39-3533

Machine for opening drainage ditches. Stramous, V.M., et al. (1984, p.16, rus.) 39-3539

Snow-melting system, 9th Street and I 64, Louisville. Azevedo, W.V., (1982, 31p., eng.) 39-3717

Highway snow and ice control. State-of-the-art. Gustafson, K., (1985, 124p., eng.) 39-3794

Deicer composition. Duane, J.J., et al. (1963, 6 col., eng.) 39-3828

Deicing system. Jusyk, S.J., (1965, 6 col. + figs., eng.) 39-3829

Deicer composition. Standish, N.W., et al. (1965, 6 col., eng.) 39-3830

Electrical deicer. Spencer, J.H., Jr., et al. (1965, 4 col. + figs., eng.) 39-3831

Deicer composition. Standish, N.W., et al. (1966, 6 col., eng.) 39-3832

Foamable de-icing/defrosting composition and method of de-icing and defrosting. Dawtre, S., et al. (1967, 4 col., eng.) 39-3833

Aircraft deicing shoe. Kageorge, P.W., et al. (1968, 4 col. + figs., eng.) 39-3834

Process and apparatus for detecting ice formation. Roussel, P.A., (1970, 6 col. + figs., eng.) 39-3835

Deicing boot and method of making the same. Son Gullberg, H.H., (1970, 6 col. + figs., eng.) 39-3836

Deicing apparatus. Liardi, V.L., (1970, 4 col., eng.) 39-3837

Aircraft deicer system and apparatus. Yaste, E.E., (1970, 4 col. + figs., eng.) 39-3838

Pavement deicer. Hinrichs, B.F., (1970, 6 col. + figs., eng.) 39-3839

Device for deicing surfaces of thin-walled structures. Levin, I.A., et al. (1970, 6 col. + figs., eng.) 39-3840

Aircraft deicing apparatus. Cook, V.H., (1971, 8 col. + figs., eng.) 39-3841

Porous metal panel to distribute deicing fluid onto the leading edge of a surface. Nichols, G.L., (1971, 4 col. + figs., eng.) 39-3842

Deicing device. Kline, R.O., (1971, 8 col. + figs., eng.) 39-3843

Device for deicing rails. Obata, Y., (1972, 4 col. + figs., eng.) 39-3844

Electric system of a device for deicing the surface of thin-walled structures. Levin, I.A., (1982, 4 col. + figs., eng.) 39-3845

Ice-preventive and deicing oil-in-water emulsion. Ayres, D.J., (1973, 12 col., eng.) 39-3846

Electric system of a device for deicing the surface of thin-walled structures. Levin, I.A., (1973, 6 col. + figs., eng.) 39-3847

Road surface deicing device. Cox, S.M., (1976, 2 col. + figs., eng.) 39-3849

Method for deicing aircraft. Thornton-Trump, W.E., (1977, 8 col., eng.) 39-3850

Deicing apparatus and method. Magenheimer, B., (1977, 8 col. + figs., eng.) 39-3851

Protecting pavement or concrete materials against the effects of the destructive action of freezing and thawing of water or brine solutions. Hansen, C.N., (1978, 24 col., eng.) 39-3852

- Deicing and traction forming composition and methods of making same. Lowe, H.E., Jr., (1981, 4 col., + figs., eng.) 39-3854
- Method for producing and storing sand coated with calcium chloride. Hamlin, R.S., et al., (1981, 4 col., eng.) 39-3855
- Process of making calcium acetate deicing agents. Gancy, A.B., (1983, 10 col., eng.) 39-3856
- Process of making two uniform grades of calcium magnesium acetate. Gancy, A.B., (1983, 6 col., eng.) 39-3857
- Water-activated exothermic chemical formulations. Gancy, A.B., (1984, 10 col., eng.) 39-3859
- Novel road and highway deicer and traction agent, and process for its manufacture. Gancy, A.B., (1984, 8 col., eng.) 39-3860
- Process of making calcium acetate deicing agents and product. Gancy, A.B., (1984, 10 col., eng.) 39-3861
- Coarse-particle calcium/magnesium acetate suitable for roadway and walkway deicing, and process for its manufacture. Gancy, A.B., (1984, 10 col., eng.) 39-3862
- Ice and snow control by mineral material and skid resistance. Hoffmann, G., et al., (1985, p.139-146, ger.) 39-3894
- Ice and snow control without salt on streets. Hoffmann, G., et al., (1985, p.205-210, ger.) 39-3895
- Method and composition for improving safety of aircraft runways. Moore, W.P., et al., (1976, 18p., eng.) 39-3970
- Anti-icer and de-icer compositions. Baker, J.C., et al., (1975, 14p., eng.) 39-3971
- De-icing composition and process for preparation. Rippie, W., (1983, 9p., eng.) 39-3979
- Treating slippery surfaces on snow and ice. Straub, R., (1982, 6p., ger.) 39-3980
- Preventing slippery surface on snow and ice. Hieke, E., (1974, 4 col., + fig., ger.) 39-4010
- Spreading agent for reducing slipperiness on snow and ice. Warner, J., et al., (1983, 6p., ger.) 39-4013
- Spreading agent for slippery surfaces on snow and ice. Budich, M., (1982, 4p., ger.) 39-4014
- Spreading agent for slippery roads and streets. Friedrich, G., (1981, 4p., ger.) 39-4015
- Spreading agent for icy and snowy roads. Fresenius, W., (1972, 4p., ger.) 39-4019
- Ice reporting**
- Calculating ice growth and deterioration on lakes. Poliakova, K.N., et al., (1984, p.57-73, rus.) 39-438
- Macrofeatures of the stressed state of ice cover. Kupeckii, V.N., (1984, p.17-23, eng.) 39-483
- Block structure of the ice cover. Borodachev, V.E., (1984, p.24-26, eng.) 39-484
- Mesostains in an ice cover. Loshchilov, V.S., (1984, p.27-35, eng.) 39-485
- Effect of summer ice on ship speed. Borodachev, V.E., (1984, p.34-40, eng.) 39-486
- International Ice Patrol service, N. Atlantic Ocean, 1980. (1981, 73p., eng.) 39-1227
- International Ice Patrol service, N. Atlantic Ocean, 1981. (1983, 47p., eng.) 39-1228
- Navigation methods for extremely dangerous ice conditions. Poluzin, F., et al., (1984, p.28-33, rus.) 39-1563
- International Ice Patrol service, N. Atlantic Ocean, 1983. (1984, 73p., eng.) 39-1948
- International Ice Patrol Services, N. Atlantic Ocean, 1982. (1984, 30p., + append., eng.) 39-2324
- Determination of packing density of sea ice from satellite photographs. Aleksandrov, V.I.U., et al., (1985, p.5-11, rus.) 39-3104
- Calculating ship velocities in ice. Bogdanov, A.A., (1984, p.87-90, rus.) 39-3385
- See also: Ice surveys
- Ice ridges**
- See: Pressure ridges
- Ice roads**
- Baykal Amur railroad: the first decade. Aganbegian, A.G., ed., (1984, 208p., rus.) 39-1408
- Baykal Amur railroad at the last stage of construction. Mokhortov, K.V., (1984, p.29-38, rus.) 39-1409
- Transportation of construction materials and equipment in the Arctic. Sorochenko, A.I.A., (1985, p.9-10, rus.) 39-2027
- Thorough preparation for winter. Brik, M.I., (1984, p.2-3, rus.) 39-2105
- Rules for the development of united regional appraisals for structures and construction work. (1985, 156p., rus.) 39-2516
- Automation in organizing railroad construction. Pershin, S.P., ed., (1983, 116p., rus.) 39-2823
- Railroad construction in paludal northern taiga. Klenov, V.V., (1983, p.104-106, rus.) 39-2827
- Glacial highway. Wang, Z., et al., (1984, p.95-96, chi.) 39-3523
- Ice runways**
- Antarctic infrastructure and policy of access to the continent. Lopetegui Torres, J., (1984, p.161-177, spa.) 39-2194
- Problems in runway construction on deep snowfields. Barthelemy, J.L., (1978, 35p., eng.) 39-3084
- Visibility climatology of McMurdo Sound/Williams Field, Antarctica. Souders, C.G., (1984, 149p., eng.) 39-3349
- JARE summer aircraft operations, 1956-1971. Murakoshi, N., et al., (1985, p.56-62, jpn.) 39-3605
- Ice salinity**
- Thermal expansion of saline ice. Cox, G.F.N., (1983, p.425-432, eng.) 39-204
- Structure, salinity and density of multi-year sea ice pressure ridges. Richter-Menge, J.A., et al., (1985, p.194-198, eng.) 39-2413
- Mesoscale description for the principal Bering Sea ice experiment. Ramseier, R.O., et al., (1982, p.231-266, eng.) 39-2745
- Uniaxial ice compressive strength. Wang, Y.S., et al., (1981, 2 vols., eng.) 39-4001
- Experimental study of brine upward migration in sea ice. Kasai, T., et al., (1984, p.149-155, jpn.) 39-4043
- Ice sampling**
- Findings of strongly mineralized ice wedges. Vasil'chuk, I.U.K., et al., (1984, p.129-134, rus.) 39-347
- Equipment for determining salt composition of sea ice. Pivovarov, S.V., et al., (1984, p.113-119, rus.) 39-473
- Hydrocarbons in snow, ice, and water in the northern part of the Kara Sea. Dmitriev, F.A., et al., (1983, p.67-71, eng.) 39-585
- Ice scouring**
- Experiments relating to the fracture of bedrock at the ice-rock interface. Smith, J.M., (1984, p.123-125, eng.) 39-252
- Computer simulation of iceberg instability. Bass, D.W., et al., (1984, p.163-169, eng.) 39-340
- Antarctica, icebergs and sea level. Maisey, G.H., (1978, p.281-284, eng.) 39-709
- Ice scouring off Pullen Island, Beaufort Sea. Shearer, J., (1979, 28p., + append., eng.) 39-993
- Pipelines in the Beaufort Sea. Timmermans, W.J., (1982, p.113-120, 125-126, eng.) 39-1477
- Ice scour and ice ridging studies in Lake Erie. Grass, J.D., (1984, p.33-43, eng.) 39-1790
- Geological evidence for 60 meter deep pressure-ridge keels in the Arctic Ocean. Reimnitz, E., et al., (1984, p.189-206, eng.) 39-1803
- Alaskan Beaufort Sea ecosystems and environments. Barnes, P.W., ed., (1984, 466p., eng.) 39-1869
- Pack ice interaction with Stamukhi Shoal, Beaufort Sea, Alaska. Reimnitz, E., et al., (1984, p.159-183, eng.) 39-1875
- Ice gouging characteristics and processes. Barnes, P.W., et al., (1984, p.185-212, eng.) 39-1876
- Some probabilistic aspects of ice gouging on the Alaskan Shelf of the Beaufort Sea. Weeks, W.F., et al., (1984, p.213-236, eng.) 39-1877
- Evidence of ice rafting and tractive transfer in cores from Queen Charlotte Sound, British Columbia. Conway, K.W., et al., (1985, p.703-708, eng.) 39-2334
- Protection of Arctic submarine pipelines against ice scour. Nessim, M.A., et al., (1985, p.610-617, eng.) 39-2385
- Some factors influencing iceberg scour estimates. Prasad, K.S.R., et al., (1985, p.302-309, eng.) 39-2428
- Grounding and scouring icebergs on the Labrador Shelf. Woodworth-Lynas, C.M.T., et al., (1984, p.13-20, eng.) 39-2529
- Iceberg grounding and scouring on the Labrador Continental Shelf. Woodworth-Lynas, C.M.T., et al., (1985, p.163-186, eng.) 39-2559
- Role of ice gouging in determining global forces on arctic structures. Bea, R.G., et al., (1985, p.251-266, eng.) 39-3178
- Risk assessment of sea bottom scouring using fuzzy set theory. Thiel, C.C., Jr., et al., (1985, p.430-438, eng.) 39-3192
- Directional drilling to install Arctic marine pipelines. Peebles, E.E., (1985, p.783-791, eng.) 39-3223
- Pipeline landfill construction by horizontal drilling. Hair, J.D., (1985, p.792-800, eng.) 39-3224
- Engineering in the Beaufort, Chukchi and Bering Seas. Dobson, B.M., et al., (1985, p.812-819, eng.) 39-3226
- Davis Strait iceberg scouring study. Pereira, C.P.G., et al., (1984, 78p., eng.) 39-3446
- Small scale tests of sea bottom ice scouring. Abdelnour, R., et al., (1984, p.267-279, eng.) 39-3487
- Iceberg scours: what do they really look like. Woodworth-Lynas, C.M.T., et al., (1985, p.10-14, eng.) 39-3553
- Workshop on ice scouring, 15-19 February 1982. (1985, 251p., + append., eng.) 39-3752
- Lake Erie cable crossing—ice scour study. Grass, J.D., (1985, p.1-10, eng.) 39-3753
- Relict ice scour signatures on mainland Canada. Mollard, J.D., (1985, p.11-31, eng.) 39-3754
- Predictions of extreme keel depths from submarine sonar data. Wadhams, P., (1985, p.32-47, eng.) 39-3755
- Ice scour protection Drake F-76 flowline bundle. Ieperen, M., (1985, p.48-54, eng.) 39-3756
- Lake Erie ice scour investigation. Comfort, G., et al., (1985, p.55-99, eng.) 39-3757
- Physical dimensions of icebergs in the Labrador Sea. Miller, J.D., et al., (1985, p.103-113, eng.) 39-3758
- Deep water scours in Davis Strait. Guigne, J.Y., et al., (1985, p.155-167, eng.) 39-3762
- Correlation between an ice ridge and sea bed geologic boundary. Barnes, P.W., et al., (1985, p.169-184, eng.) 39-3763
- Ice gouge in relation to sea-ice zonation, Beaufort Sea. Barnes, P.W., et al., (1985, p.185-219, eng.) 39-3764
- Ice scouring on NE Grand Banks, Newfoundland. Amos, C.L., et al., (1985, p.220-221, eng.) 39-3765
- Shore-zone ice scour statistics. Implications to coastal development. Harper, J.R., (1985, p.223-230, eng.) 39-3766
- Ice sheets**
- Ice sheet overriding of the Transantarctic Mountains. Denton, G.H., et al., (1983, p.93-95, eng.) 39-3
- Analysis of geophysical data from Dome C and the Ross Ice Shelf. Bentley, C.R., et al., (1983, p.104-105, eng.) 39-5
- Detailed studies of tephra layers in the Byrd Station ice core: Preliminary results and interpretation. Palais, J.M., et al., (1983, p.109-110, eng.) 39-8
- Late Tertiary history of the antarctic ice sheet from Dry valleys evidence. Denton, G.H., et al., (1984, p.263-267, eng.) 39-19
- Interaction of atmosphere, ice, and ocean in Antarctica. Poggie, A., (1982, p.163-172, fre.) 39-22
- Isotope distribution and glaciology of the Schirmacher Ponds region. Hermichen, W.D., et al., (1984, p.87-102, eng.) 39-129
- A three-dimensional time-dependent model of the West Antarctic ice sheet. Budd, W.F., et al., (1984, p.29-36, eng.) 39-168
- Measurement of surface deformation of the Greenland ice sheet by satellite tracking. Drew, A.R., et al., (1984, p.51-55, eng.) 39-172
- Statistical-dynamical model of accumulation on the Greenland ice sheet. Keen, R.A., (1984, p.69-74, eng.) 39-175
- Sensitivity of late-glacial and Holocene climates to the combined effects of orbital parameter changes and lower boundary condition changes: "snapshot" simulations with a general circulation model for 18, 9 and 6 ka BP. Kutzbach, J.E., et al., (1984, p.85-87, eng.) 39-178
- Cross-sectional model for West Antarctica. McInnes, B.J., et al., (1984, p.95-99, eng.) 39-180
- Reconstruction of the glacial ice covers of Greenland and the Canadian Arctic islands by three-dimensional, perfectly plastic ice-sheet modelling. Rech, N., (1984, p.115-121, eng.) 39-184
- Flow behavior of basal ice as related to modeling considerations. Shoji, H., et al., (1984, p.141-148, eng.) 39-188
- Ice-sheet modeling. Weertman, J., et al., (1984, p.180-184, eng.) 39-195
- Observing polar-ice variability. Zwally, H.J., (1984, p.191-198, eng.) 39-197
- Interactions between polar ice streams and the sea. Lingle, C.S., (1984, p.3523-3549, eng.) 39-256
- Study of the creep effect upon the response of a pressure sensor embedded in an ice sheet. Hamza, H., et al., (1984, p.97-107, eng.) 39-335
- Two-phase model of electrical conduction in polar ice sheets. Wolff, E.W., et al., (1984, p.9433-9438, eng.) 39-548
- Developments in antarctic glaciology. Kotliakov, V.M., (1984, p.137-154, eng.) 39-554
- Ice sheets on the move. Drewry, D.J., (1984, p.356-361, eng.) 39-595
- Jakobshavn Glacier drainage basin: a balance assessment. Bindshadler, R.A., (1984, p.2066-2072, eng.) 39-678
- Studies of ocean level fluctuations during postglacial time. Kaplan, P.A., (1982, p.6-11, rus.) 39-755
- Antarctic and Greenland ice sheets and the level of world ocean. Verbitskii, M.I.A., (1982, p.120-124, rus.) 39-756
- Canada's last great ice sheet. Dyke, A.S., et al., (1983, p.6-8, eng.) 39-780
- Geodetic-glaciological studies in the East Antarctic 1962-1978. Meier, et al., (1984, p.31-35, eng.) 39-858
- Glaciological and geocryological studies on King George Island. Viñuñ, B.I., et al., (1984, p.33-37, rus.) 39-976
- Unveiling the secrets of the ice continent. Zotikov, I.A., (1984, 248p., rus.) 39-1369
- Potential CO₂-induced changes in West Antarctica. (1984, 236p., eng.) 39-1498
- Late Tertiary shorelines on South Atlantic coasts. Nunn, P.D., (1984, p.185-210, eng.) 39-1529
- Polar ice sheets: developments since Wegener. Robin, G. de Q., (1981, p.648-663, eng.) 39-1532
- Basal sliding relations deduced from ice-sheet data. Morland, I.W., et al., (1984, p.131-139, eng.) 39-1668
- Mass balance characteristics of former ice sheets. Boulton, G.S., et al., (1984, p.140-152, eng.) 39-1669
- Borehole geometry on the Greenland and Antarctic ice sheets. Jezek, K.C., (1985, p.242-251, eng.) 39-1749
- Viscoelastic buckling of beams and plates on elastic foundation. Sjöfönd, S.-G., (1984, p.3-172, eng.) 39-1756
- Flexure of a non-homogeneous floating ice sheet Selvadurai, A.P.S., (1984, p.123-136, eng.) 39-1762
- Anchor ice in Lachine Rapids, results of observations and analysis. Marcotte, N., (1984, p.151-160, eng.) 39-1764

Ice sheets (cont.)

- Ice sheet retention structures. Perham, R.E., [1984, p.339-348, eng] 39-1781
- Antarctic adventure. Gernandt, H., [1984, 284p., ger] 39-1828
- Airborne microwave measurements of the southern Greenland ice sheet. Swift, C.T., et al., [1985, p.1983-1994, eng] 39-1912
- Milankovitch and climate. Kukla, G., ed., [1982, 895p., in 2 vols., eng] 39-1983
- Ice-age Arctic ocean ice-sheets: a possible direct link with insolation. Filion, R.H., [1982, p.223-240, eng] 39-1984
- Some ice-age aspects of a calving ice-sheet model. Pollard, D., [1982, p.541-564, eng] 39-1986
- Sensitivities of cryospheric models to insolation and temperature variations using a surface energy balance. Ledley, T.S., [1982, p.581-597, eng] 39-1988
- Possible explanation of differences between Pre- and Post-Jaramillo ice sheet growth. Watts, R.G., et al., [1982, p.599-604, eng] 39-1989
- On the origin of the ice ages. Oerlemans, J., [1982, p.607-611, eng] 39-1990
- Influence of the CLIMAP ice sheet on the climate of a general circulation model: implications for the Milankovitch theory. Manabe, S., et al., [1982, p.789-799, eng] 39-1992
- Continental ice sheets and the planetary radiation budget. Oerlemans, J., [1980, p.349-359, eng] 39-2066
- Modeling the system atmosphere-ocean-large ice sheets. Verbitskii, M.I.A., et al., [1984, p.198-200, eng] 39-2195
- Japanese geomorphological research in the Lützow-Holm Bay region. Yoshida, Y., [1984, p.2-8, jpn] 39-2273
- Because a large part of the inland ice in West Antarctica lies on a bed far below sea level, the ice sheet is theoretically capable of an unstable and rapid shrinkage. Bentley, C.R., [1983, p.IV.3-IV.50, eng] 39-2277
- Major climatic events associated with a prolonged CO₂-induced warming. Flohn, H., [1981, 80p., eng] 39-2325
- Interactions between ice shelves and earth. Lingle, C.S., et al., [1985, p.1100-1114, eng] 39-2364
- Determining the characteristic length of floating ice sheets by moving loads. Sodhi, D.S., et al., [1985, p.155-159, eng] 39-2408
- Quantitative analysis of ice sheet failure against an inclined plane. Frederick, R.M.W., et al., [1985, p.160-169, eng] 39-2409
- JARE glaciological research in Queen Maud Land, 1983. Nakawo, M., et al., [1984, 80p., + map, eng] 39-2484
- Was there a Panarctic ice sheet during the Pleistocene. Nesic, K.N., [1984, p.300-307, eng] 39-2549
- Climatic changes in the Late Quaternary. Wright, H.E., Jr., [1984, p.91-131, eng] 39-2568
- Climatic and physical characteristics of the Greenland ice sheet. Radok, U., et al., [1982, 193p., + appendixes, maps, eng] 39-2710
- Doppler satellite measurements on the Antarctic Peninsula. Seebber, G., [1985, p.124-129, ger] 39-2815
- On the reconstruction of Pleistocene ice sheets: a review. Andrews, J.T., [1982, p.1-30, eng] 39-2904
- Research activities of West Germany in western Antarctica. Kohnen, H., [1981, p.413-425, ger] 39-2915
- Trapping of xenon in ice: implications for the origin of Earth's noble gases. Wacker, J.F., et al., [1984, p.2373-2380, eng] 39-2925
- Pu-240/Pu-239 ratio, a potential geochronometer. Koide, M., et al., [1985, p.1-8, eng] 39-2926
- Record of global pollution in polar snow and ice. Wolff, E.W., et al., [1985, p.535-540, eng] 39-2927
- Estimates of future sea level rise. Hoffman, J.S., [1984, p.79-103, eng] 39-2992
- Dependence of antarctic accumulation rates on surface temperature and elevation. Muszynski, I., et al., [1985, p.204-208, eng] 39-3085
- Meteorites in antarctic ice. Cervele, B., [1984, p.1454-1456, fre] 39-3134
- Paleoclimatic research and models. [1983, 205p., eng] 39-3144
- Ice-sheet modelling for climate studies. Oerlemans, J., [1983, p.157-163, eng] 39-3148
- Mass balance of Greenland inland ice near Jakobshavn. Thomsen, H.H., [1984, p.37-41, eng] 39-3375
- Regional difference of attenuation of radio waves within antarctic ice sheet. Ohmachi, H., et al., [1984, p.152-159, eng] 39-3458
- Composition of dirt layers in the bare ice areas of Queen Maud Land and Victoria Land. Katsumura, T., et al., [1984, p.174-187, eng] 39-3460
- Greenland Ice Sheet Program in perspective. [1984, 11p., eng] 39-3560
- Bedrock topography of the Greenland ice sheet in the Dye 3 area. Overgaard, S., et al., [1985, p.49-56, eng] 39-3566
- Antarctic ice. Radok, U., [1985, p.98-105, eng] 39-3642
- Heat balance of the Greenland ice sheet. Ambach, W., [1985, p.3-12, eng] 39-3718
- Thermal convection in ice sheets: we look but do not see. Hughes, T., [1985, p.39-48, eng] 39-3723
- Meteorites in Antarctica—statistics on falls, concentration, recovery and alteration on ice-sheet. Nagata, T., [1983, p.3-11, eng] 39-3870
- Glaciation of the continental shelves (Part I). Grosvald, M.G., [1984, p.194-258, eng] 39-3884
- Lattice statistics model for the age distribution of air bubbles in ice. Enting, I.G., [1985, p.654-655, eng] 39-3907
- Ice flow at the Dome C ice divide. Bolzan, J.F., [1985, p.8111-8124, eng] 39-4009
- Glaciation of the continental shelves (Part II). Grosvald, M.G., [1984, p.287-351, eng] 39-4057
- Ice shelves
- Analysis of geophysical data from Dome C and the Ross Ice Shelf. Bentley, C.R., et al., [1983, p.104-105, eng] 39-5
- Liquid conductivity of a 44-meter firm core, McMurdo Ice Shelf. Palais, J.M., et al., [1983, p.106-107, eng] 39-6
- Ross Ice Shelf oxygen isotope profile at J-9. Grootes, P.M., et al., [1983, p.107-109, eng] 39-7
- Satellite glaciology project. Williams, R.S., Jr., et al., [1983, p.119-121, eng] 39-15
- Isotope distribution and glaciology of the Schirmacher Ponds region. Hermichen, W.-D., et al., [1984, p.87-102, eng] 39-129
- Ice-shelf densities from a comparison of radio echo and seismic soundings. Doake, C.S.M., [1984, p.47-50, eng] 39-171
- Interactions between polar ice streams and the sea. Lingle, C.S., [1984, p.3523-3549, eng] 39-256
- Sea and ocean level fluctuations for 15,000 years. Kaplan, P.A., ed., [1982, 230p., rus] 39-754
- Origin of "inundated shore lines" of glaciated North Atlantic shelves. Grosvald, M.G., [1982, p.125-133, rus] 39-757
- Satellite observations over Antarctica. Gernandt, H., [1984, p.9-14, eng] 39-856
- Geodetic deformation measurements on the Ekström, Filchner, and Ronne Ice Shelves. Köhler, M., et al., [1984, p.154-161, ger] 39-1024
- Satellite observations of ice shelf drift. Gerdau, H., et al., [1984, p.161-175, ger] 39-1025
- Experimental gravity measurements on shelf ice. Lindner, K., [1984, p.186-187, ger] 39-1027
- Cosmo-geological methods of investigating the Arctic. Lopatin, B.G., ed., [1984, 108p., rus] 39-1107
- Combined use of geological and geophysical data, bathymetry, and satellite photographs in morpho-structural analyses of the western Arctic shelf. Zarkhidze, V.S., et al., [1984, p.84-93, rus] 39-1110
- Dynamics of George VI Ice Shelf. Pearson, M.R., et al., [1983, p.205-220, eng] 39-1362
- Present and future melting on antarctic ice shelves. Paterson, W.S.B., [1984, p.140-154, eng] 39-1506
- Modeling the oceanic environment of West Antarctica. Semtner, A.J., Jr., [1984, p.197-211, eng] 39-1508
- Potential effect of CO₂ warming on sub-ice-shelf circulation and basal melting. MacAyeal, D.R., [1984, p.212-221, eng] 39-1509
- Filchner-Ronne Ice Shelf programme. Report 1 (1984). Kohnen, H., comp., [1985, 38p., eng] 39-1528
- Voyages of discovery and research in the southern and antarctic regions during the years 1964-1981. Gordon, A., et al., [1981, p.25-29, eng] 39-1573
- Antarktis II/4 Expedition, 1983/84. Kohnen, H., ed., [1984, p.1-185, ger] 39-1599
- Geodetic surveys on the Filchner and Ekström Ice Shelves. Karsten, A., et al., [1984, p.57-63, ger] 39-1602
- Geophysical and glaciological investigations near Filchner and GVN Stations. Thyssen, F., et al., [1984, p.64-70, ger] 39-1603
- Report of the German engineering glaciology group, 1983/84. Jessberger, H.L., et al., [1984, p.71-81, ger] 39-1604
- Vertical tidal motion of Filchner Ice Shelf. Eckstaller, A., et al., [1984, p.82-97, ger] 39-1605
- Hydrographic investigations at the edge of the Filchner Ice Shelf. Rohardt, G., [1984, p.137-143, ger] 39-1610
- Aerial measurements of glaciological and geophysical parameters in Antarctica. Thyssen, F., et al., [1984, p.149-155, ger] 39-1612
- Near surface meteorological experiment at the Filchner ice front. Schaller, E., [1984, p.165-171, ger] 39-1614
- Glacial erosion of continental margins. Grosvald, M.G., et al., [1984, p.113-127, eng] 39-1653
- Mass balance of a melting ice shelf. Potter, J.R., et al., [1984, p.161-170, eng] 39-1671
- Rheology of glacier ice. Jezek, K.C., et al., [1985, p.1335-1337, eng] 39-1942
- Arctic ice shelf studies, Spring 1983. Jeffries, M.O., [1983, 31p., eng] 39-2207
- Ice shelf studies of the Fillesmere Island, N.W.T. Jeffries, M.O., [1984, 83p., eng] 39-2209
- Indian and Brazilian activities in the Antarctic. Kusunoki, K., [1984, p.49-51, jpn] 39-2275
- Because a large part of the inland ice in West Antarctica lies on a bed far below sea level, the ice sheet is theoretically capable of an unstable and rapid shrinkage. Bentley, C.R., [1983, p.IV.3-IV.50, eng] 39-2277
- Interactions between ice shelves and earth. Lingle, C.S., et al., [1985, p.1100-1114, eng] 39-2364
- Was there a Panarctic ice sheet during the Pleistocene. Nesic, K.N., [1984, p.300-307, eng] 39-2549
- Glacial geomorphology between Breid Bay and Sør Rondane Mountains, Queen Maud Land. Nishio, F., et al., [1984, p.11-18, eng] 39-2749
- Filchner-Ronne Ice Shelf programme. Report 2 (1985). Kohnen, H., comp., [1985, 136p., ger] 39-2799
- Geodetic glaciology on Filchner Ice Shelf since 1979/80. Köhler, M., [1985, p.18-25, ger] 39-2801
- Ice core drilling on the Filchner and Ronne Ice Shelves. Jessberger, H.L., et al., [1985, p.32-41, ger] 39-2803
- Glaciological trace element investigations at German antarctic stations. Görlach, U., et al., [1985, p.42-49, ger] 39-2804
- Hydrography at the edge of Filchner Ice Shelf. Rohardt, G., et al., [1985, p.50-57, ger] 39-2805
- Gravity tides on the Filchner Ice Shelf. Eckstaller, A., et al., [1985, p.58-59, eng] 39-2806
- Photogrammetry in western New Schwabenland 1983/84. Sievers, J., et al., [1985, p.68-71, ger] 39-2808
- Flow models in katabatic winds. Kottmeier, C., [1985, p.86-96, ger] 39-2811
- Case study of a mesoscale disturbance at Filchner Station. Halbguth, G., [1985, p.96-103, ger] 39-2812
- Investigations of cosmic dust in the antarctic shelf ice. Thiel, K., [1985, p.104-112, ger] 39-2813
- Doppler satellite measurements on the Antarctic Peninsula. Seebber, G., [1985, p.124-129, ger] 39-2815
- Not a search for kiwi bird. Zotikov, I., [1984, 144p., rus] 39-2828
- Research activities of West Germany in western Antarctica. Kohnen, H., [1981, p.413-425, ger] 39-2915
- Distribution of electrical parameters in upper layers of shelf, land, and fast ice near Novolazarevskaya Station. Khokhlov, G.P., [1984, p.360-365, eng] 39-3136
- Geomagnetic measurements on moving ice shelf at Halley. Simmons, D.A., et al., [1984, p.407-417, eng] 39-3378
- Optimal measurement of ice-sheet deformation from surface-marker arrays. MacAyeal, D.R., [1985, p.54-59, eng] 39-3725
- Electrical resistivity of ice from the Antarctic Peninsula. Reynolds, J.M., et al., [1984, p.289-295, eng] 39-3777
- Accelerating flow of the Brunt Ice Shelf, Antarctica. Simmons, D.A., et al., [1984, p.377-380, eng] 39-3792
- Mass balance of a portion of the Ross Ice Shelf. Jezek, K.C., et al., [1984, p.381-384, eng] 39-3793
- Plio-Pleistocene glacial sequence corered at Ferrar Fjord. Barrett, P.J., [1985, p.8-19, eng] 39-3864
- Glaciation of the continental shelves (Part I). Grosvald, M.G., [1984, p.194-258, eng] 39-3884
- Flow law of ice in polar ice sheets. Doake, C.S.M., et al., [1985, p.255-257, eng] 39-3887
- Ross Ice Shelf geophysical and glaciological survey (RIGGS). Bentley, C.R., [1984, p.1-20, eng] 39-4029
- Glaciological studies on the Ross Ice Shelf, 1973-1978. Thomas, R.H., et al., [1984, p.21-53, eng] 39-4030
- Ice sintering
- Technique for producing ice from NaCl brine for studying fundamental deformation behavior. Godavarti, P.S., et al., [1985, p.173-176, eng] 39-3285
- Ice snow interface
- See: Snow ice interface
- Ice solid interface
- Ice sheet vibration due to the movement of a cylindrical structure. Luk, C.H., [1984, p.160-168, eng] 39-83
- Glacier flexure and the position of grounding lines: measurements by tiltmeter on Rutford Ice Stream, Antarctica. Stephenson, S.N., [1984, p.165-169, eng] 39-192
- Experiments relating to the fracture of bedrock at the ice-rock interface. Smith, J.M., [1984, p.123-125, eng] 39-252
- Computer simulation of iceberg instability. Bass, D.W., et al., [1984, p.163-169, eng] 39-340
- Residual entropy of two-dimensional ice on a ruby lattice. Lin, K.Y., et al., [1983, p.2515-2519, eng] 39-557
- Geotechnical issues affecting offshore development: an overview. Watt, B., [1984, p.17-21, eng] 39-573
- Design of the icebreaking supply ship Robert LeMeur. Churcher, A., et al., [1984, p.134-146, eng] 39-662
- Heat capacity of water near solid surfaces. Vučelić, V., et al., [1983, p.371-374, eng] 39-767
- Ice interface. Jellinek, H.H.G., [1972, p.65-107, eng] 39-808
- Ice scouring off Pullen Island, Beaufort Sea. Shearer, J., [1979, 28p., + appendixes, eng] 39-993
- Ice accretion at Mt. Capellino during the winter 1981/82. Floccini, F., et al., [1982, p.277-279, eng] 39-1216
- Laboratory investigation of the kinetic friction coefficient of ice. Forland, K.A., et al., [1984, p.19-28, eng] 39-1752
- Procedure to account for machine stiffness in uni-axial compression tests. Tinoco, G.W., et al., [1984, p.39-47, eng] 39-1754
- Crushing ice forces on cylindrical structures. Morris, C.E., et al., [1984, p.1-9, eng] 39-1787

- Effect of structural properties on ice-induced self excited vibrations. Maatinen, M., (1984, p.11-20, eng) 39-1788
- Model tests of ice forces on a wide inclined plane. Timco, G.W., (1984, p.87-96, eng) 39-1795
- Extraction of piles by repeated water-level fluctuations. Thunbo Christensen, F., et al. (1984, p.111-121, eng) 39-1797
- Analysis of piles frozen-in to an ice cover and subjected to forces that cause pile bending. Kerr, A.D., (1984, p.123-134, eng) 39-1798
- Reliability of ice-structure interaction load predictions. Bercha, F.G., et al. (1984, p.157-173, eng) 39-1801
- Ice uplift forces on a pile. Coc, T.J., (1982, 81p, eng) 39-1840
- Ice interaction with structures: recent developments and future trends. Croasdale, K.R., (1984, 22p, eng) 39-1855
- Computer simulation techniques for Arctic offshore design—a review. Erbarur, M.F., et al. (1984, 9p, + figs., eng) 39-1864
- Observations and analyses of sediment-laden sea ice. Osterkamp, T.E., et al. (1984, p.73-93, eng) 39-1871
- Frost susceptibility of soil: review of index tests. Chamberlain, E.J., (1981, 110p, eng) 39-2034
- Interactions between ice shelves and earth. Lingle, C.S., et al. (1985, p.1100-1114, eng) 39-2364
- Interaction of waves with cylindrical bodies in ice-covered seas. Owen, D.G., et al. (1985, p.334-342, eng) 39-2382
- Ice plug anchor—development of a new anchor for use in snow and ice. Maidl, B., et al. (1985, p.442-450, eng) 39-2384
- Quantitative analysis of ice sheet failure against an inclined plane. Frederking, R.M.W., et al. (1985, p.160-169, eng) 39-2409
- Scale effect in ice-structure interactions. Bercha, F.G., et al. (1985, p.310-314, eng) 39-2429
- Ship ice impact analysis. Koehler, P.E., et al. (1985, p.344-350, eng) 39-2434
- Dynamic interactions between floating ice and offshore structures. Creteau, P., (1983, 33p, eng) 39-2453
- Ice floe impact force on vertical sided structures. Cox, J.R., (1985, p.211-219, eng) 39-3174
- Ice-structure interaction of an offshore platform. Powell, G., et al. (1985, p.230-238, eng) 39-3176
- Iceberg interactions with offshore structures. Isaacson, M. de S.Q., (1985, p.276-284, eng) 39-3180
- CICE code for ice override and ice ridge cone interaction. Hooking, G., et al. (1985, p.962-960, eng) 39-3235
- Ice forces on port structures resulting from moving ships. Abdelnour, R., et al. (1985, p.1215-1223, eng) 39-3254
- Local pressure in ice-structure interactions. Bercha, F.G., et al. (1985, p.1243-1251, eng) 39-3255
- Sea ice management. Denner, W., (1985, p.89-92, eng) 39-3333
- Arctic fixed platforms for deep water. Croasdale, K.R., (1985, p.169-180, eng) 39-3336
- Relation of surface-electrical properties to ion mobility in permafrost. Romanov, V.P., (1985, p.107-115, rus) 39-3361
- Ice interaction with Adams Island, Winter 1982-83. Frederking, R.M.W., et al. (1984, p.187-201, eng) 39-3481
- Ice forces on fixed and floating conical structures. Wessels, E., (1984, p.203-219, eng) 39-3482
- Dynamic ice loads on a ship. Timco, A.L., (1984, p.297-313, eng) 39-3489
- Charging of ice by differences in contact potential. Caranti, J.M., et al. (1985, p.6041-6046, eng) 39-3682
- Mathematical model for perched block formation. Patterson, E.A., (1984, p.296-301, eng) 39-3778
- Microwave coupling to ice-metal structures. Kwon, R.Y.C., et al. (1983, 58p, eng) 39-3923
- Kinetic friction coefficient of ice. Forland, K.A., et al. (1985, 40p, eng) 39-3957
- Deicing composition. Shakir, M., et al. (1982, 8 vol., rus) 39-3978
- Ice spectroscopy**
- Elastic constants of artificial and natural ice samples by Brillouin spectroscopy. Gammon, P.H., et al. (1983, p.433-460, eng) 39-205
- Analysis of remotely sensed reflectance data on frost. Clark, R.N., et al. (1984, p.6329-6340, eng) 39-326
- Electromagnetic properties of sea ice. Morcy, R.M., et al. (1984, p.53-75, eng) 39-332
- Vibrational spectrum of ice Ih. Bergren, M.S., et al. (1982, p.583-602, eng) 39-2890
- Ice storms**
- Ice accretion at Mt. Capellano during the winter 1981-82. Flochini, F., et al. (1982, p.277-279, eng) 39-1216
- Ice strength**
- Mechanical properties of multi-year sea ice—Phase I test results. Cox, G.F.N., et al. (1984, 105p, eng) 39-98
- Mechanics of ice failure at different temperatures. Epifanov, V.P., (1984, p.188-196, rus) 39-320
- Single integral representations in ice mechanics. Williams, H.T., (1984, p.89-95, eng) 39-334
- Ice interface. Jellinek, H.H.G., (1972, p.65-107, eng) 39-808
- Experimental investigation of ice forces on cylindrical structures. Strickland, G.F., (1973, 36p, + figs., eng) 39-899
- Experimental investigation of ice forces on cone-shaped structures. Strickland, G.F., (1973, 62p, + figs., eng) 39-900
- Mechanical properties of sea ice—a status report. Weeks, W.F., et al. (1984, p.135-198, eng) 39-971
- Shear strength and adhesion properties of saline ice. Hänninen, J., et al. (1984, 35p, fig) 39-1022
- Level ice resistance—ideas stemming from the model and the full scale tests. Nyränen, T., et al. (1984, p.183-200, eng) 39-1101
- Ice strength in relation to grain size at high temperatures. Schulson, M., (1984, p.1439-1442, eng) 39-1647
- Tensile strength of ice as a function of grain size. Garner, J.H., et al. (1982, p.1511-1514, eng) 39-1657
- Crack propagation in ice. Hamza, H., (1984, p.1-17, eng) 39-1751
- Effect of grain size on the compressive strength of ice. Schulson, M., et al. (1984, p.29-38, eng) 39-1753
- Procedure to account for machine stiffness in uniaxial compression tests. Timco, G.W., et al. (1984, p.39-47, eng) 39-1754
- Flexural strengths of freshwater model ice. Gow, A.J., (1984, p.73-82, eng) 39-1757
- New testing technique of ice strength in compression and bending. Khrapaty, N., et al. (1984, p.83-91, eng) 39-1758
- Effect of structural properties on ice-induced self-excited vibrations. Maatinen, M., (1984, p.11-20, eng) 39-1788
- Fine grain model ice. Enkvist, E., et al. (1984, p.217-227, eng) 39-1805
- Determination of compressive strength of sea ice by using an ultrasonic pulse. Sacki, H., et al. (1984, p.339-348, eng) 39-1815
- Ice uplift forces on a pile. Coc, T.J., (1982, 81p, eng) 39-1840
- Effect of ice strength on crater scaling relations. Gafney, E.S., (1984, p.121-123, eng) 39-1934
- Role of transient creep in high temperature tensile failure of ice. Sinha, N.K., (1984, p.777-782, eng) 39-2063
- Strength and modulus of ice from pressure ridges. G.F.N., et al. (1985, p.93-98, eng) 39-2082
- Structure and the compressive strength of ice from pressure ridges. Richter, J.A., et al. (1985, p.99-102, eng) 39-2083
- Artificial ice masses in Arctic seas. McPherson, P.L., et al. (1984, p.264-267, eng) 39-2169
- Ice plug anchor—development of a new anchor for use in snow and ice. Maidl, B., et al. (1985, p.442-450, eng) 39-2384
- Tensile strength of multi-year pressure ridge sea ice samples. Cox, G.F.N., et al. (1985, p.186-193, eng) 39-2412
- Flexural strength and fracture toughness of area model ice. Timco, G.W., (1985, p.199-208, eng) 39-2414
- Confined strength and deformation of second-year continental-ground sea ice in Mould Bay. Sinha, N.K., (1985, p.209-219, eng) 39-2415
- Grain size and the compressive strength of ice. D.M., (1985, p.220-226, eng) 39-2416
- Damage mechanics model for uniaxial deformation of ice. Karr, D.G., (1985, p.227-233, eng) 39-2417
- Scale effect in ice-structure interactions. Bercha, F.G., et al. (1985, p.310-314, eng) 39-2429
- Mechanical properties of sea ice—a compilation of available data. Lamey, L., et al. (1984, p.884-923, eng) 39-2495
- Laboratory tests of a motorized snow surface hardness gauge. Marinelli, M., Jr., et al. (1985, p.1-1410, eng) 39-2556
- Measurement of iceberg temperatures. Dremann, D., (1985, p.5-16, eng) 39-2835
- Probabilistic approaches to arctic offshore engineering. Atkes, N.F.B., et al. (1985, p.412-420, eng) 39-3190
- Calculation of ice forces on arctic structures. Bohon, W.M., et al. (1985, p.456-464, eng) 39-3195
- Compressive strength of pressure ridge ice samples. Richter, J.A., et al. (1985, p.465-475, eng) 39-3196
- Uniaxial compression testing of ice. Cox, G.F.N., et al. (1985, p.476-488, eng) 39-3197
- Fracture theory for brittle materials with application to ice. Bazant, Z.P., et al. (1985, p.917-930, eng) 39-3231
- Local pressure in ice-structure interactions. Bercha, F.G., et al. (1985, p.1243-1251, eng) 39-3255
- Pressure ridge strength of the Bering Sea. Weeks, W.F., (1985, p.167-172, eng) 39-3284
- IAHR Ice Symposium, 7th, Aug. 27-31, 1984. Vols. 1-4. (1984, 564 + 414p, eng) 39-3465
- Grounded ice pads as drilling bases in the Beaufort Sea. Kemp, L.S., (1984, p.175-180, eng) 39-3480
- Segmented icebreaking ship model testing technique development. Nawari, A.M., et al. (1984, p.255-265, eng) 39-3486
- Dynamic ice loads on a ship. Timco, A.L., (1984, p.297-313, eng) 39-3489
- Ice resistance of icebreakers in relation to hull shape and dimensions. Jönas, R.P., (1984, p.315-323, eng) 39-3490
- 4th report of working group on testing methods in ice. Earle, E.N., et al. (1984, p.1-41, eng) 39-3494
- Ice properties in relation to ice forces. Nadreau, J.P., et al. (1984, p.63-115, eng) 39-3496
- Natural ice in relation to skating. Kroes, H., (1982, 23p, dut) 39-3716
- Propulsion tests in level ice on a model of a 140-ft WIGB icebreaker. Tatinclaux, J.C., (1985, 13p, eng) 39-3956
- Uniaxial ice compressive strength. Wang, Y.S., et al. (1981, 2 vols., eng) 39-4001
- See also: Ice cover strength
- Ice structure**
- Structural investigations of snow and ice on core III from the drilling on Vernagtferner, Austria, in 1979. Good, W., (1983, p.53-64, eng) 39-48
- Solitons and proton motion in ice-like structures. Antonchenko, V.I.A., et al. (1985, p.631-640, eng) 39-488
- Sea ice structure of Greenland Sea. Simon, T., (1983, p.47-66, fre) 39-722
- Structure of the ices. Kamb, B., (1972, p.9-24, eng) 39-806
- Transport properties of ice. Jaccard, C., (1972, p.25-64, eng) 39-807
- Permafrost structure in the Chars basin. Sannikov, S.A., et al. (1984, p.55-65, rus) 39-840
- Microparticles in ice cores from Antarctica and Greenland. Thompson, L.G., (1984, p.25-32, chi) 39-931
- Studying the emissivity of ice and snow covers. Belich, R.B., (1984, p.91-102, rus) 39-1134
- Physical conditions of fast ice formation in East Antarctica. (1979, p.1-15, eng) 39-1365
- Bearing strength of fast ice and antarctic transport operations during the spring-summer period. (1979, p.15-30, eng) 39-1366
- Cryogenic structure of Quaternary deposits in the Lena-Aldan basin. Ivanov, M.S., (1984, 125p, rus) 39-1397
- Measurements of frazil and drifting ice in the Lachine rapids. Michel, B., et al. (1984, p.317-343, eng) 39-1470
- Geophysical and glaciological investigations near Filchner and Giv'N Stations. Thyssen, F., et al. (1984, p.64-70, ger) 39-1603
- Note on brine layer spacing of first-year sea ice. Nakawo, M., et al. (1984, p.193-206, eng) 39-1628
- Structure of first-year pressure ridge sails in the Prudhoe Bay region. Tucker, W.B., et al. (1984, p.115-135, eng) 39-1873
- Physical properties of liquid water and ice. Reimers, J.R., et al. (1984, p.201-223, eng) 39-2011
- Formulas for calculating ice cover strength. Fomichev, B.S., et al. (1984, p.97-102, rus) 39-2073
- Isotope variations in ice cores from Ellesmere Island. N.W.T., Jeffries, M.O., (1983, 37p, eng) 39-2208
- Ice shelf studies of the Fieseler Island, N.W.T. Jeffries, M.O., (1984, 83p, eng) 39-2209
- Some considerations on the designing of Arctic structures. Ojma, T., et al. (1985, p.128-134, eng) 39-2405
- Structure, salinity and density of multi-year sea ice—pressure ridges. Richter-Menge, J.A., et al. (1985, p.194-198, eng) 39-2413
- Synoptic ice dynamics and atmospheric circulation during the Bering Sea Experiment. Campbell, W.J., et al. (1982, p.158-179, eng) 39-2740
- Physical and chemical properties of ice in the Bering Sea ice-edge zone. Morozov, P.T., (1982, p.186-190, eng) 39-2742
- Mesoscale description for the principal Bering Sea ice experiment. Ramseier, R.O., et al. (1982, p.231-266, eng) 39-2745
- Glacial geomorphology between Breid Bay and Sør Rondane Mountains, Queen Maud Land. Nishio, F., et al. (1984, p.11-18, eng) 39-2749
- Structural and stratigraphic studies of Spitsbergen ice cover. Zagorodnov, V.S., et al. (1984, p.119-126, rus) 39-2777
- Oblique radio-echo sounding of glacier ice. Epow, A.B., (1984, p.165-174, rus) 39-2784
- Radio-echo logging of wells in glaciers. Macheret, H.A., et al. (1984, p.198-203, rus) 39-2791
- Density and rheological properties of glacier ice. Salamatin, A.N., et al. (1985, p.94-106, rus) 39-2897
- Studies on ice shelves (I)—General aspects of the structure and growth of an ice shelf. Maeno, N., et al. (1984, p.1-5, eng) 39-4041
- Studies on ice shelves (II)—Wave forms, spikes and bent ice shelves. Maeno, N., et al. (1984, p.139-147, jpn) 39-4042
- Methods of studying frozen rocks and ice. Savilev, B.A., (1985, 222p, rus) 39-4059
- Ice sublimation**
- Isotope hydrology and hydrochemistry of Lake Untersee. Herpichen, W.D., et al. (1984, p.75-86, eng) 39-128
- Evaporation from Unterseeferner. Kaser, G., (1985, p.749-167, eng) 39-1965
- Theory of desiccation of unconsolidated ice in arctic with negative temperatures. Kozlov, I.A., (1984, p.236-241, eng) 39-2164

Ice sublimation (cont.)

- Mesoscale description for the principal Bering Sea ice experiment. Ramseier, R.O., et al. (1982, p.231-266, eng) 39-2745
- Growth and evaporation of ice crystals from the vapor phase. Beckmann, W., et al. (1982, p.425-451, eng) 39-2887
- Precipitation of ice at low latitudes of Mars. Jakosky, B.M., et al. (1985, p.559-561, eng) 39-3906

Ice surface

- Exploration for meteorite concentrations in the Thiel Mountains/Pecora Escarpment region, 1982-1983. Schutt, J., et al. (1983, p.83-86, eng) 39-2
- Surface roughness of Ross Sea pack ice. Govoni, J.W., et al. (1983, p.123-124, eng) 39-16
- Drag coefficient across the Antarctic marginal ice zone. Andreas, E.L., et al. (1984, p.63-71, eng) 39-370
- Complex freezing-melting interfaces in fluid flow. Epstein, M., et al. (1983, p.293-318, eng) 39-1648
- Field study of rough shore-fast sea ice. Hanley, T.O., (1984, p.230-234, eng) 39-1680
- On the physicochemical properties of the surface of dispersed ice (snow). Fedoseev, N.F., et al. (1984, p.222-225, eng) 39-2161
- Dynamic problem of interactions between elastic bodies and ice-field surfaces. Kovalenko, E.V., (1982, p.244-251, eng) 39-2198
- Effect of ice surface orientation on intensity of water-to-ice heat transfer under free convection conditions. Gogolev, E.S., et al. (1984, p.321-324, eng) 39-2550
- Variation of ice morphology of selected mesoscale test areas during the Bering Sea Experiment. Gloersen, P., et al. (1982, p.191-214, eng) 39-2743
- Mesoscale description for the principal Bering Sea ice experiment. Ramseier, R.O., et al. (1982, p.231-266, eng) 39-2745
- Determination of underlying surface radiative temperature in the northern Bering Sea. Vinogradov, V.V., et al. (1982, p.267-277, eng) 39-2746
- Glacial geomorphology between Breid Bay and Sor Rondane Mountains, Queen Maud Land. Nishio, F., et al. (1984, p.11-18, eng) 39-2749
- Some morphological peculiarities of the lower and upper surfaces of fast ice. Chilingarov, A.N., et al. (1984, p.56-61, eng) 39-3663
- See also: Glacier surfaces

Ice surveys

- CODATA directory of data sources for snow and ice. Barry, R.G., ed. (1984, 87p., eng) 39-143
- Satellite techniques of studying ocean dynamics. Fedorov, K.N., (1984, p.3-13, rus) 39-157
- Symposium on Ice and Climate Modeling, 1983. (1984, 243p., eng) 39-162
- Prospects for describing and monitoring from space the elements of the seasonal cycle of sea ice. Carsey, F.D., (1984, p.37-42, eng) 39-169
- Bibliography on ice and snow for 1971-84. Trent University. (1984, 13p., eng) 39-255
- Calculating ice growth and deterioration on lakes. Poliakova, K.N., et al. (1984, p.57-73, rus) 39-438
- Great Lakes Ice Research Workshop, Columbus, OH, 1983. (1984, 78p., eng) 39-480
- Improving ice and snow measurements on lakes. Adams, W.P., (1984, p.11-14, eng) 39-537
- Publications, reports and theses in geotechnical science, No 10. (1981, 18p., eng) 39-619
- Bibliography of ice properties and forecasting, and ice navigation. Greisman, P.E., (1980, 187p., eng) 39-742
- Report of National Committee on Snow and Ice. (1984, p.143-146, jpn) 39-778
- International Conference on Alpine Meteorology, 17th, 1982. (1982, 293p., ger) 39-1211
- Ice accretion at Mt. Capellino during the winter 1981/82. Flochmin, F., et al. (1982, p.277-279, eng) 39-1216
- Ice in the Beaufort Sea. Minon, R., comp. (1984, 78p., eng) 39-1226
- Ice surveying. Strugatskiy, V., (1984, 128p., rus) 39-1385
- Navigation methods for extremely dangerous ice conditions. Polunin, F., et al. (1984, p.28-33, rus) 39-1563
- Necessity of independent nomenclature for fresh-water ice. Chizhov, A.N., et al. (1984, p.47-51, rus) 39-1692
- IAHR Ice Symposium, 7th, Hamburg, Aug 27-31, 1984. (1984, 2 vols., eng) 39-1750
- Field investigation of St. Lawrence River hanging ice dams. Shen, H.T., et al. (1984, p.241-249, eng) 39-1772
- Some aspects of ice engineering in Japan. Kitagawa, H., et al. (1985, p.271-280, eng) 39-2424
- SAR for real-time ice reconnaissance. Nichols, A., et al. (1984, p.71-76, eng) 39-2532
- Petroleum exploration and environmental protection in Alaska. Brewer, M.C., (1985, p.203-205, eng) 39-3339
- Ice sighting in Antarctica. Eberhard B. P., (1984, p.151-158, spa) 39-3350
- Climate Diagnostics Workshop, 6th, 1981. (1982, 341p., eng) 39-3420

Toward a radar surveillance system for Lake

- Melville/Offshore Labrador. Parashar, S., et al. (1984, p.293-300, eng) 39-3445
- Peculiarities of heat exchange between the atmosphere and ocean in the Arctic Basin. Makshtas, A.P., (1984, p.102-108, eng) 39-3656
- Optimal measurement of ice-sheet deformation from surface-marker arrays. MacAyeal, D.R., (1985, p.54-59, eng) 39-3725
- Ross Ice Shelf geophysical and glaciological survey (RIGGS). Bentley, C.R., (1984, p.1-20, eng) 39-4029
- Glaciological studies on the Ross Ice Shelf, 1973-1978. Thomas, R.H., et al. (1984, p.21-53, eng) 39-4030
- See also: Ice reporting
- Ice temperature
- Calculating thermal emission of ice covers. Brekhovskikh, V.L., (1984, p.33-38, rus) 39-158
- Modelling temperature distribution in Alpine glaciers. Blatter, H., et al. (1984, p.18-22, eng) 39-166
- Synoptic sea ice-atmosphere interactions. Carleton, A.M., (1984, p.7245-7258, eng) 39-260
- Fundamental features of modern glaciers in the Altay Shan of China. Wang, L., et al. (1983, p.27-38, chi) 39-264

- Iceberg temperatures in the North Atlantic—theoretical and measured. Diemand, D., (1984, p.171-178, eng) 39-341
- Preliminary investigation of thermal ice pressures. Cox, G.F.N., (1984, p.221-229, eng) 39-399
- Sea ice brightness temperatures in the Weddell Sea. Murray, C.W., Jr., et al. (1984, 89p., eng) 39-1391
- Glaciological studies of the Filchner Ice Shelf, 1983-84. Reinwarth, O., et al. (1984, p.37-52, ger) 39-1600
- Biology and structure of Weddell Sea ice. Dieckmann, G., et al. (1984, p.100-105, eng) 39-1606
- Near-surface temperatures of glaciers. Hooke, R.L., et al. (1983, p.1-25, eng) 39-1630
- Temperatures of near shore icebergs in the St. John's area—1983. Diemand, D., (1984, 55p., eng) 39-1940
- Temperatures of the icebergs. Von Drygalski, E., (1983, p.10-12, eng) 39-2525
- Observation of variations in the composition of sea ice in the Greenland MIZ during early summer 1983 with the NIMBUS-7 SMMR. Gloersen, P., et al. (1984, p.373-378, eng) 39-2541

- Mesoscale description for the principal Bering Sea ice experiment. Ramseier, R.O., et al. (1982, p.231-266, eng) 39-2745
- Accumulation on the Filchner/Ronne Ice Shelves. Reinwarth, O., et al. (1984, p.7-17, ger) 39-2800
- Measurement of iceberg temperatures. Diemand, D., (1983, p.3-16, eng) 39-2835
- Spring/summer microwave signatures of sea ice. Grenfell, T.C., et al. (1985, p.5063-5074, eng) 39-3438
- Computer monitoring sea ice temperature using NOAA satellite data. Condal, A.R., et al. (1984, p.145-150, eng) 39-3440
- Conditions of regelation of sea ice in the Arctic. Gorbunov, I.U.A., et al. (1984, p.23-31, eng) 39-3660
- Electrical resistivity of ice from the Antarctic Peninsula. Reynolds, J.M., et al. (1984, p.289-295, eng) 39-3777
- Ice flow at the Dome C ice divide. Bolzan, J.F., (1985, p.8111-8124, eng) 39-4009
- Glaciological studies on the Ross Ice Shelf, 1973-1978. Thomas, R.H., et al. (1984, p.21-53, eng) 39-4030

Ice thermal properties

- Preliminary investigation of thermal ice pressures. Cox, G.F.N., (1984, p.221-229, eng) 39-399
- Experimental studies of heat budget of very thin sea ice. Ishikawa, N., et al. (1984, p.109-119, jpn) 39-774
- Thermal metamorphism of antarctic sea ice. Nazintsev, I.U.L., et al. (1984, p.23-29, rus) 39-975
- View on Quaternary glaciation in Lushan from the results of some modern glacial researches. Su, Z., (1984, p.83-88, chi) 39-1544
- Thermal diffusivity of ice, mercury and aluminum at melting point. Lamvik, M., (1982, p.79-87, eng) 39-1666
- Basal sliding relations deduced from ice-sheet data. Morland, I.W., et al. (1984, p.131-139, eng) 39-1668
- Physical properties of liquid water and ice. Reimers, J.R., et al. (1984, p.201-223, eng) 39-2011
- Analytical and experimental studies of the heat transfer around a vertical ice wall in fresh water at various temperatures. Dutton, C.R., et al. (1985, p.1-5, eng) 39-2388
- Thickness of ice on perennially frozen lakes. McKay, C.P., et al. (1985, p.561-562, eng) 39-2928
- Thermal convection in ice sheets: we look but do not see. Hughes, T., (1985, p.39-48, eng) 39-3723
- Methods of studying frozen rocks and ice. Savilev, B.A., (1985, 222p., rus) 39-4059

Ice thickness

See: Glacier thickness; Ice cover thickness

Ice tongues

See: Glacier tongues

Ice transported material

See: Ice rafting

Ice underside

See: Ice bottom surface

Ice vapor interface

- Physical adsorption of hydrocarbon vapors on ice. Orem, M.W., (1969, 115p., eng) 39-745
- Growth and evaporation of ice crystals from the vapor phase. Beckmann, W., et al. (1982, p.425-451, eng) 39-2887
- Transition of liquid carbon dioxide to gas-solid mixture. Fomin, N.A., et al. (1982, p.503-507, eng) 39-3264
- Incipient phenomena of frost formation. Seki, N., et al. (1984, p.2476-2482, eng) 39-3392
- Ice veins
- Findings of strongly mineralized ice wedges. Vasil'chuk, I.U.K., et al. (1984, p.129-134, rus) 39-347
- Permafrost development in northern West Siberia. Vasil'chuk, I.U.K., et al. (1984, p.134-143, rus) 39-426
- Cryogenic relief of western Siberia. Shpolianskaia, N.A., (1984, p.17-23, rus) 39-580
- Cryogenic microstructure of surface loams on the Anabaro-Olenekskoye plateau. Bazylev, V.A., et al. (1984, p.39-46, rus) 39-837
- Cryogenic structure of Edoma formation in the Alazeya River outcrop. Korolev, S.I.U., (1984, p.104-110, rus) 39-847
- Permafrost and environmental protection of major basins in the Stanovoy highlands. Nekrasov, I.A., et al. (1984, p.46-58, rus) 39-902
- Ice vein formation in naled areas of river valleys. Sannikov, S.A., (1984, p.160, rus) 39-924
- Geocryological conditions of the Baykal-Stanovoy Range part of the BAM zone. An, V.V., et al. (1984, 151p., rus) 39-1947
- Thermophysical properties of loess. Komissarova, N.N., et al. (1985, p.52-63, rus) 39-1976
- See also: Ground ice; Ice wedges
- Ice volume
- Ice-sheet modeling. Weertman, J., et al. (1984, p.180-184, eng) 39-195
- Fundamental features of modern glaciers in the Altay Shan of China. Wang, L., et al. (1983, p.27-38, chi) 39-264
- Relations between naled thickness and elevations in river basins. Kosenkov, V.L., et al. (1984, p.51-55, rus) 39-839
- Contribution of small glaciers to global sea level. Meier, M.F., (1984, p.1418-1421, eng) 39-1028
- Coverage coefficient for calculating ice volume generated. Hauser, R., et al. (1984, p.211-224, eng) 39-1465
- Winter rating curves and ice volume limited water levels. Lavender, S.T., (1984, p.279-294, eng) 39-1468
- Calculating absolute transfer speed of glacier surfaces. Makarevich, K.G., et al. (1983, p.3-8, rus) 39-1916
- BIOMASS program data, Showa Station, winter 1982. Fukuchi, M., et al. (1985, 113p., eng) 39-3424
- Workshop on ice scouring, 15-19 February 1982. (1985, 251p. + appends., eng) 39-3752
- Relationships between measured iceberg dimensions. Hotzel, I.S., et al. (1985, p.114-129, eng) 39-3759
- Correlation between iceberg draft and above water dimensions. El-Tahan, M., et al. (1985, p.130-147, eng) 39-3760
- Iceberg dimensions. Brooks, L.D., (1985, p.148-154, eng) 39-3761
- Ice water interface
- Eddy at the edge of the East Greenland Current. Smith, D.C., IV, et al. (1984, p.8205-8208, eng) 39-218
- Interactions between polar ice streams and the sea. Lingle, C.S., (1984, p.3523-3549, eng) 39-256
- Modeling the marginal ice zone. Hibler, W.D., III, ed. (1984, 99p., eng) 39-360
- Large-scale ice/ocean model for the marginal ice zone. Hibler, W.D., III, et al. (1984, p.1-7, eng) 39-361
- On the decay and retreat of the ice cover in the summer MIZ. Maykut, G.A., (1984, p.15-22, eng) 39-363
- On the role of ice interaction in marginal ice zone dynamics. Leppäranta, M., et al. (1984, p.23-29, eng) 39-364
- Mesoscale coupled ice/ocean modeling of the marginal ice zone. Röed, L.P., et al. (1984, p.37-42, eng) 39-366
- Unsteady wind drift of sea ice. Doronin, I.U.P., et al. (1984, p.143-150, eng) 39-698
- Water resistance caused by the bottom relief of ice packs. Nikiforov, E.G., et al. (1984, p.169-176, eng) 39-701
- Some characteristics of the friction layer near rough surfaces in the sea. Doronin, I.U.P., et al. (1984, p.177-180, eng) 39-702
- Water and aqueous solutions. Horne, R.A., ed. (1972, 837p., eng) 39-805
- Ice interface. Jellinek, H.H.G., (1972, p.65-107, eng) 39-808
- Transport from a vertical ice surface melting in saline water. Johnson, R.S., et al. (1984, p.1928-1932, eng) 39-885
- Storm surges in the Beaufort and Chukchi Sea. Kowalik, Z., (1984, p.10,570-10,578, eng) 39-969
- Heat and mass balance observations during the MIZEX 83 drift program. Maykut, G.A., (1984, p.35-46, eng) 39-1128
- Scattering properties of ice and snow in clouds. Moninger, W.R., et al. (1984, p.149-156, eng) 39-1250
- Frost susceptibility of soil, review of index tests. Chamberlain, E.J., (1981, 110p., eng) 39-2034

- Modeling the system atmosphere-ocean-large ice sheets.
Verbitskii, M.I.A., et al, (1984, p.198-200, eng) 39-2195
- Model of ice breakup in the marginal ice zone. Smedstad, O.M., et al, (1985, p.876-882, eng) 39-2357
- Design of Arctic waterflood intake structures. Cox, J.C., et al, (1985, p.135-142, eng) 39-2406
- Effect of ice surface orientation on intensity of water-to-ice heat transfer under free convection conditions. Gogolev, E.S., et al, (1984, p.321-324, eng) 39-2550
- Analysis of floating ice covers with partial flooding. Kerr, A.D., (1985, p.117-123, eng) 39-2554
- Technique for observing freezing fronts. Colbeck, S.C., (1985, p.13-20, eng) 39-2563
- Producing artificial ice layers over large areas. Sosnovskii, A.V., (1984, p.223-231, rus) 39-2796
- Thickness of ice on perennially frozen lakes. McKay, C.P., et al, (1985, p.561-562, eng) 39-2928
- Sea ice microbial communities. 4. The effect of light perturbation on microalgae at the ice-seawater interface in McMurdo Sound, Antarctica. Palmisano, A.C., et al, (1985, p.37-45, eng) 39-3089
- Thermodynamic coupled ice-ocean model of the marginal ice zone. Röed, L.P., (1984, p.1921-1929, eng) 39-3143
- Freezing mechanism in some solidification problems. Cheng, K.C., et al, (1982, p.497-502, eng) 39-3263
- Some morphological peculiarities of the lower and upper surfaces of fast ice. Chilingarov, A.N., et al, (1984, p.56-61, eng) 39-3663
- Scott Polar Research Institute participation in MIZEX 1984. Wadhams, P., (1985, p.505-510, eng) 39-3868
- Ice (water storage)**
- Estimating underground drainage in permafrost areas. Mel'nichuk, N.L., (1983, p.117-125, rus) 39-468
- Are antarctic icebergs towable. Orheim, O., (1984, p.36-38, eng) 39-1204
- Notes on ice in the hydrosphere. Reinwarth, O., (1982, p.259-265, ger) 39-1213
- Spray-cone method of upbuilding ice masses in Spitsbergen. Gokhman, V.V., et al, (1984, p.231-237, rus) 39-2797
- Ice wedges**
- Findings of strongly mineralized ice wedges. Vasil'chuk, I.U.K., et al, (1984, p.129-134, rus) 39-347
- Permafrost development in northern West Siberia. Vasil'chuk, I.U.K., et al, (1984, p.134-143, rus) 39-426
- Direction of ice-wedge cracking in permafrost: downward or upward. Mackay, J.R., (1984, p.516-524, eng) 39-818
- Cryogenic structure of Edoma formation in the Alazeya River outcrop. Karolev, S.I.U., (1984, p.104-110, rus) 39-847
- Landscapes types in river valleys of northern Yakutia. Zaikanov, V.G., (1984, p.110-119, rus) 39-848
- Studying permafrost outcrops in the Kolyma River valley. Murzin, I.U.A., et al, (1984, p.119-127, rus) 39-849
- Permafrost and environmental protection of major basins in the Stanovoy highlands. Nekrasov, I.A., et al, (1984, p.46-58, rus) 39-902
- Age and history of accumulation of the "ice complex" of the maritime lowlands of Yakutiya. Kaplina, T.N., et al, (1984, p.147-151, eng) 39-1062
- Geocryological conditions of the Baykal-Stanovoy Range part of the BAM zone. An, V.V., et al, (1984, 151p., rus) 39-1947
- Ice wedges and permafrost near King Point, Yukon Territory. Harry, D.G., et al, (1985, p.111-116, eng) 39-2327
- Distribution of recently active ice and soil wedges in the U.S.S.R. Romanovskii, N.N., (1985, p.154-165, eng) 39-2699
- Polygon-veins along the Qinghai-Xizang highway. Liang, F., et al, (1984, p.49-60, chi) 39-3320
- Late Pleistocene ice wedges in the Kolyma River basin. Vasil'chuk, I.U.K., et al, (1985, p.904-906, rus) 39-3427
- Evidence of ice wedge fossils in southern Mendoza Province. Abraham de Vazquez, E.M., et al, (1984, p.3-11, spa) 39-3939
- See also: Ground ice; Ice veins
- Ice wharves**
- Natural ice piers. Dubrovinn, L.I., (1983, p.86-88, eng) 39-2597
- Iceberg towing**
- Iceberg deflection with anchors. Mellor, D.C., (1984, 27p., eng) 39-477
- Are antarctic icebergs towable. Orheim, O., (1984, p.36-38, eng) 39-1204
- Preliminary study of antarctic iceberg towing to Atacama province, Chile. Cordonnier, C., (1985, p.9-11, fre) 39-2991
- Icebergs**
- Iceberg-iceberg model of aqueous solvation and water exchange reactions. Phillips, J.C., (1984, p.478-483, eng) 39-92
- Iceberg quantities, shapes, and sizes in western Ross and D'Urville Seas. Keys, J.R., (1983, p.125-127, eng) 39-306
- Computer simulation of iceberg instability. Bass, D.W., et al, (1984, p.163-169, eng) 39-340
- Iceberg temperatures in the North Atlantic— theoretical and measured. Diemand, D., (1984, p.171-178, eng) 39-341
- Results of Soviet research in the southern ocean. Treshnikov, A.F., (1984, p.99-116, eng) 39-553
- Why are the antarctic icebergs so large. Orheim, O., (1978, p.277-280, nor) 39-708
- Antarctica, icebergs and sea level. Maisey, G.H., (1978, p.281-284, nor) 39-709
- Where do antarctic icebergs drift. Vinje, T.E., (1978, p.285-288, nor) 39-710
- Estimating ship position among icebergs. Utusikov, I.U.D., (1984, p.64-69, rus) 39-978
- Radiobuoys on drifting icebergs. Leont'ev, E.B., et al, (1984, p.52-54, rus) 39-1010
- Semisubmersible response to transient ice forces. Arockiasamy, M., et al, (1984, p.463-490, eng) 39-1049
- Extracting uranium from sea water using iceberg drift. Nishiyama, T., (1984, p.184-186, eng) 39-1092
- Arctic news record, Summer 1984, Vol.3 No.2. (1984, 62p., eng) 39-1203
- Monte Carlo calculations of iceberg draft changes caused by roll. Lewis, J.C., et al, (1984, p.1-10, eng) 39-1617
- Drift of a number of idealized model icebergs. Shirasawa, K., et al, (1984, p.19-30, eng) 39-1619
- Iceberg ablation in the d'Urville Sea. Keys, J.R., et al, (1984, p.218-222, eng) 39-1677
- Iceberg collision with semi-submersible drilling unit. Kitami, E., et al, (1984, p.45-53, eng) 39-1791
- Probabilistic analysis of iceberg loads on offshore structures. Maes, M.A., et al, (1984, p.175-188, eng) 39-1802
- Iceberg drift defines antarctic ocean circulation. Tchernia, P., et al, (1984, p.263-269, eng) 39-1822
- Pack ice edge data from Japanese catcher boats in the Antarctic. Shimadzu, Y., et al, (1984, p.361-363, eng) 39-1914
- Temperatures of near shore icebergs in the St. John's area —1983. Diemand, D., (1984, 55p., eng) 39-1940
- Tidal currents and eddy statistics from iceberg trajectories off Labrador. Garrett, C., et al, (1985, p.1333-1335, eng) 39-1941
- Antarctic circumpolar ocean. Deacon, G., (1984, 180p., eng) 39-2279
- Analysis of iceberg impacts with gravity base structures at Hibernia. Bass, D., et al, (1985, p.255-259, eng) 39-2422
- Some factors influencing iceberg scour estimates. Prasad, K.S.R., et al, (1985, p.302-309, eng) 39-2428
- Iceberg prediction charts issued by the International Ice Patrol. McClelland, J.J., et al, (1983, p.12-14, eng) 39-2522
- Iceberg conditions offshore Greenland. Mangor, K., et al, (1983, p.4-20, eng) 39-2523
- Iceberg mapping in Lancaster Sound with synthetic aperture radar. Lowry, R.T., et al, (1983, p.3-9, eng) 39-2524
- Temperatures of the iceberg. Von Drygalski, E., (1983, p.10-12, eng) 39-2525
- Method to measure iceberg impact areas remotely on a large structure. Hudson, R.D., et al, (1983, p.13-17, eng) 39-2526
- Statistical prediction of iceberg trajectories. Garrett, C., (1984, p.3-8, eng) 39-2527
- Forecasting iceberg drift: a comparative study. Gaskill, H.S., et al, (1984, p.8-13, eng) 39-2528
- Grounding and scouring icebergs on the Labrador Shelf. Woodworth-Lynas, C.M.T., et al, (1984, p.13-20, eng) 39-2529
- Iceberg grounding and scouring on the Labrador Continental Shelf. Woodworth-Lynas, C.M.T., et al, (1985, p.163-186, eng) 39-2559
- Iceberg fragmentation by thermal shock. Diemand, D., (1984, p.8-10, eng) 39-2833
- Tabular icebergs off Nordostrundingen, North East Greenland. Massom, R., (1984, p.11-16, eng) 39-2834
- Measurement of iceberg temperatures. Diemand, D., (1983, p.3-16, eng) 39-2835
- Iceberg distributions in the Labrador Sea from SLAR imagery 1978-1980. Sutton, J., et al, (1983, p.17-20, eng) 39-2836
- Iceberg draft measurements off eastern Canada. Ruffman, A., (1983, p.20-21, eng) 39-2837
- Arctic shipping. (1984, p.37-46, eng) 39-2876
- Icebergs in the Strait of Belle Isle and approaches. (1982, 21p., + map, eng) 39-2919
- Iceberg interactions with offshore structures. Isaacson, M. de S.Q., (1985, p.276-284, eng) 39-3180
- Modern and ancient glacial-marine deposits. Vanney, J.R., et al, (1986, p.9-50, eng) 39-3274
- Iceberg resisting offshore structures for the 21st century. Zaleski-Zamenhof, L.C., (1985, p.195-201, eng) 39-3338
- Antarctic marine environments and offshore oil. Keys, J.R., (1984, 168p., eng) 39-3425
- Canadian Symposium on Remote Sensing, 1983. (1984, 840p., eng) 39-3439
- Iceberg mapping in Lancaster Sound with synthetic aperture radar. Lowry, R.T., et al, (1984, p.239-246, eng) 39-3441
- Summer distribution of icebergs in NW Baffin Bay and Lancaster Sound. Pearson, D.E., (1984, p.253-260, eng) 39-3443
- Toward a radar surveillance system for Lake Melville/Offshore Labrador. Parashar, S., et al, (1984, p.293-300, eng) 39-3445
- Davis Strait iceberg scouring study. Pereira, C.P.G., et al, (1984, 78p., eng) 39-3446
- Observations of water mass modification in the vicinity of an iceberg. Allison, I., et al, (1985, p.3-9, eng) 39-3552
- Iceberg scours: what do they really look like. Woodworth-Lynas, C.M.T., et al, (1985, p.10-14, eng) 39-3553
- Sound and the sea. Kliukin, I.I., (1984, 145p., rus) 39-3590
- Workshop on ice scouring, 15-19 February 1982. (1985, 251p., + append., eng) 39-3752
- Physical dimensions of icebergs in the Labrador Sea. Miller, J.D., et al, (1985, p.103-113, eng) 39-3758
- Relationships between measured iceberg dimensions. Hotzel, I.S., et al, (1985, p.114-129, eng) 39-3759
- Correlation between iceberg draft and above water dimensions. El-Tahan, M., et al, (1985, p.130-147, eng) 39-3760
- Iceberg dimensions. Brooks, L.D., (1985, p.148-154, eng) 39-3761
- Icebergs off south Victoria Land. Keys, J.R., (1985, p.1-7, eng) 39-3863
- Icebound lakes**
- Thermal eutrophy of northern ponds. Kusan, M.S., (1984, p.19-31, rus) 39-821
- Hydrology of Lake Baykal and other water bodies. Verbov, V.I., ed, (1984, 167p., rus) 39-912
- Long range forecasting of ice breakup on Lake Baykal. Kuimova, L.N., (1984, p.84-88, rus) 39-913
- Subglacial heating of water in icebound lakes. Petrov, M.P., (1984, p.88-92, rus) 39-914
- Frost weathering of clayey lake shores. Shul'gin, M.V., (1984, p.134-135, rus) 39-916
- Effects of snow and ice avalanches on lakes. Huber, A., (1984, 12p., ger) 39-1243
- Formulas for calculating ice cover strength. Fomichev, B.S., et al, (1984, p.97-102, rus) 39-2073
- Radiothermal emission of melting ice. Kondrat'ev, K.I.A., et al, (1985, p.839-842, rus) 39-2730
- Icebound rivers**
- Modeling the freezing process of slush-bearing rivers. Abramov, N.M., (1984, 100p., rus) 39-53
- Winter freight traffic in northern areas. Maslennikov, N., (1984, p.5-6, rus) 39-428
- Calculating ice loads on ships. Chuprikov, V., (1984, p.37-38, rus) 39-429
- Modeling freezeup of slush-bearing rivers. Abramov, N.M., (1984, p.30-49, rus) 39-436
- Calculating ice cover strength on rivers. Zabelina, E.F., (1984, p.73-81, rus) 39-439
- Drilling and blasting operation from ice. Tavrizon, V.M., (1984, p.597-604, rus) 39-591
- Pipeline construction in cold, swampy regions. Tikhonov, A.I., et al, (1984, 81p., rus) 39-938
- Modeling unsteady flow in an ice covered river. Forsius, J., (1984, p.3.1-3.10, eng) 39-1286
- Problems of river shipping in ice-bound conditions. Tronin, V.A., et al, (1984, p.255-266, eng) 39-1808
- Winter coefficient of river drainage. Sergutin, V.E., et al, (1984, p.103-105, rus) 39-1837
- Hydrologic studies in estuarine areas of Arctic rivers. Ivanov, V.V., ed, (1984, 135p., rus) 39-2012
- Calculating tidal phenomena in Ob' Bay. Stanovoi, V.V., (1984, p.10-18, rus) 39-2013
- Subglacial flow velocities in the Yenisey estuary. Graevskii, A.P., et al, (1984, p.30-50, rus) 39-2014
- Forecasting ice conditions in estuaries of northern rivers. Ivanov, V.V., et al, (1984, p.75-80, rus) 39-2017
- Ice conditions on the Ob' area rivers. Solov'eva, Z.S., (1984, p.81-88, rus) 39-2018
- Ice conditions in the Yenisey River estuary. Adamovich, N.M., (1984, p.121-128, rus) 39-2022
- Formulas for calculating ice cover strength. Fomichev, B.S., et al, (1984, p.97-102, rus) 39-2073
- Hydroelectric stations on Siberian rivers. Gotlib, I.A.L., (1984, p.86-90, eng) 39-2548
- Ice-cutting equipment for river ports. Glebov, A., et al, (1984, p.28, rus) 39-3533
- Icebreakers**
- On the Far Eastern meridians. Vol'mer, I.U., (1984, p.20-23, rus) 39-124
- Last reconnaissance. Popov, S., (1984, p.23-25, rus) 39-125
- Winter freight traffic in northern areas. Maslennikov, N., (1984, p.5-6, rus) 39-428
- Sea ice mechanics: a general overview. Crossdale, K., (1984, p.8-16, eng) 39-572
- Icebreaking technology in Finland. (1984, p.167-172, eng) 39-610
- Design of the icebreaking supply ship Robert LeMeur. Churcher, A., et al, (1984, p.134-146, eng) 39-662

Icebreakers (cont.)

- Beaufort Sea—new generation drilling system. Wearing, J.K., 1984, p.50-53, eng. 39-739
- Bibliography of ice properties and forecasting, and ice navigation. Greisman, P.E., 1980, 187p., eng. 39-742
- Performance of silicon dampers in icebreakers. Gorbunov, E.I.A., 1978, p.132-135, rus. 39-747
- Accumulation of deviations, due to errors in correction—signal performance of gyrocompasses in high latitude navigation. Filin, V.M., 1980, p.43-57, rus. 39-748
- United States polar icebreaker requirements study. 1984, c200 leaves, eng. 39-929
- Improvements in planning the development of merchant marine. Panin, I.U.I., ed, 1983, 88p., rus. 39-963
- Cargo transportation in the Arctic. Egorov, N.P., 1983, p.43-47, rus. 39-964
- Improving the performance of heavy icebreakers in the Arctic. Doban, V.A., et al, 1983, p.47-50, rus. 39-965
- Distribution of the per-ton fee for icebreaker services in the Arctic. Bazanova, E.V., 1983, p.50-51, rus. 39-966
- Compilation of diagrams for the performance of a fleet in the Arctic. Aleksandrovich, A.V., et al, 1983, p.51-54, rus. 39-967
- Ship operations in ice: software manual. Boteler, D.J., et al, 1981, 76p. + append., eng. 39-997
- M.V. Arctic special report on Lake Melville probe. Dick, R.A., et al, 1982, 32p., eng. 39-999
- SSACV icebreaking LNG tanker: feasibility study. Dadachani, N., et al, 1982, 32p., eng. 39-1000
- Concepts for the integration of a fluid cushion into the bow of a ship. Dadachani, N., et al, 1982, 28p. + append., eng. 39-1001
- Concepts for icebreakers with integral fluid cushion bow. Livingston, F.R., et al, 1981, 85p., eng. 39-1002
- D/E Gzhisa operations off Hobbs Coast and organization of the new antarctic station Russkaya. Kornilov, N.A., et al, 1984, p.5-12, rus. 39-1006
- Stages in the development of Soviet icebreaking cargo ships. Andrienko, V.G., et al, 1984, p.52-55, rus. 39-1083
- Proceedings of the Fourth Symposium on Antarctic Geosciences, 1983. Nagata, T., ed, 1984, 240p., eng. 39-1085
- Sea gravimeter of the icebreaker Shirase. Segawa, J., et al, 1984, p.48-60, eng. 39-1088
- Ship strength analysis and strength criteria. Kujala, P., et al, 1984, p.123-147, eng. 39-1097
- Up-dating of the Finnish-Swedish ice class rules. Edelmann, G., 1984, p.231-245, rus. 39-1104
- Ship operations, 1982-1983. McKinna, T.G., 1983, p.304, eng. 39-1179
- Arctic news record, Summer 1984, Vol.3 No.2, 1984, 62p., eng. 39-1203
- Norwegian Polar Research Institute's 1984-85 Antarctic Expedition. 1984, p.39, eng. 39-1205
- New navigation method in heavy ice. Shatalin, N., 1984, p.24-25, rus. 39-1549
- Navigation methods for extremely dangerous ice conditions. Polunin, F., et al, 1984, p.28-33, rus. 39-1543
- Nuclear-powered lighter carrier for the Arctic. Vorobev, V., et al, 1983, p.18-23, eng. 39-1574
- Problems of river shipping in ice-bound conditions. Tronin, V.A., et al, 1984, p.253-266, eng. 39-1808
- Dynamic response of an icebreaker hull to ice breaking. Mueller, A., et al, 1984, p.287-296, eng. 39-1811
- Some notes on propulsion machinery systems for a large high powered Polar icebreaker. German, J.G., et al, 1984, p.309-323, eng. 39-1813
- Nuclear-powered icebreaker Rossiia. Dem'ianchenko, V.I.A., et al, 1984, p.3-6 + 2 plates, rus. 39-1844
- Design and operation of a class four icebreaker fleet for the Beaufort Sea. Browne, R., 1984, 8p., eng. 39-1859
- Main transportation route in the Soviet Arctic. Arikainen, A.I., 1984, 192p., rus. 39-2036
- Frame structure of inland- and combined-navigation ships. Protodopov, V.B., et al, 1984, 375p. (Pertinent p. 242-246 and 293-301), rus. 39-2197
- Advanced types of ships and their seafaring qualities. Panin, I.U.I., ed, 1983, 137p., rus. 39-2200
- Modeling ship movement in ice. Tsol, L.G., et al, 1983, p.95-99, rus. 39-2203
- Utilization of heat on diesel-electric icebreakers. Chernen'ki, V.A., 1983, p.27-31, rus. 39-2206
- Control of bearing friction in propellers of icebreakers. Dufrene, K.F., et al, 1982, p.762-766, eng. 39-2219
- Some latest developments in icebreaker technology. Schwarz, J., 1985, p.321-329, eng. 39-2431
- Model test of an ice class bulk carrier with the Thyssen/Wass bow form. Freitas, A., et al, 1985, p.330-335, eng. 39-2432
- Japanese icebreaker Shirase. Kusunoki, K., 1983, p.119-126, eng. 39-2603
- Offshore structures and ice-infested waters in Canada. 1984, p.3-15, 46-57, eng. 39-2873
- Hull scantling of large merchant icebreakers. Huthert, M., et al, 1983, p.866-878, fre. 39-2943
- Arctic icebreakers during the war years. Stefanovich, A.N., 1985, p.51-54, rus. 39-3019
- German ice technology. Redder, J., ed, 1985, p.217-238, eng. 39-3037
- Selection of steel qualities for low temperature use. Charleux, J., et al, 1984, p.184-193, eng. 39-3100
- Logistics for structures seafarers to the Arctic. Ganguly, P., et al, 1985, p.285-293, eng. 39-3181
- Design of an icebreaking offshore supply vessel. Seligman, A.R., et al, 1985, p.294-308, eng. 39-3182
- Low friction and adfreeze coatings. Allison, G.R., 1985, p.689-697, eng. 39-3216
- Global and Soviet Arctic policy concerns for the year 2000. Armstrong, T., 1985, p.31-43, eng. 39-3327
- Future developments in the Soviet Arctic marine transportation system. Brigham, L.W., 1985, p.207-213, eng. 39-3340
- Arctic vessel design. German, J.G., 1984, p.25-36, eng. 39-3367
- Architectural and structural type, nautical and ice navigation qualities of promising ships. Panin, I.U.I., ed, 1984, 105p., rus. 39-3382
- Ice navigation properties of icebreakers with limited draft. Tsol, L.G., et al, 1984, p.45-49, rus. 39-3383
- Segmented icebreaking ship model testing technique development. Nawwar, A.M., et al, 1984, p.255-265, eng. 39-3486
- Ice resistance of icebreakers in relation to hull shape and dimensions. Ionov, B.P., 1984, p.315-323, eng. 39-3490
- New bow for M.V. Arctic. Baker, D.N., et al, 1984, p.323-341, eng. 39-3491
- Ice forces on structures: physical modelling techniques. Timco, G.W., 1984, p.117-150, eng. 39-3497
- Advancements in icebreaker technology. Schwarz, J., 1984, p.347-363, eng. 39-3505
- Icy August '84. Birukov, E., 1985, p.23, 28, rus. 39-3534
- Canadian Coast Guard ACIB - 1982/83 trials. Markham, P. de L., et al, 1984, p.311-327, eng. 39-3589
- Icebreakers and their design. Tokunaga, Y., 1985, p.2-7, jpn. 39-3601
- Design of two icebreaker propellers. Sasajima, T., et al, 1985, p.8-25, jpn. 39-3602
- Iceworthiness of icebreakers and transport ships for navigation in ice. Maksutov, D.D., 1984, p.131-135, eng. 39-3672
- Determination of loads on an icebreaker fender device. Makeev, A.N., et al, 1985, p.20-21, rus. 39-3746
- Major safety provisions in nuclear-powered ships. Khlopin, N.A., et al, 1985, p.803-806, eng. 39-3915
- Designs created to support Alaskan offshore exploration. 1985, p.97-98, eng. 39-3926
- Propulsion tests in level ice on a model of a 140-ft WTGB icebreaker. Tatinclaux, J.C., 1985, 13p., eng. 39-3956
- See also: Ice breaking
- Icefalls**
- Studies on formation and range of ice avalanches. Alean, J.-C., 1984, 217p., ger. 39-992
- Effects of snow and ice avalanches on lakes. Huber, A., 1984, 12p., ger. 39-1243
- Avalanches and glacier at Hailoukou in the Mt. Gongga. Wang, Y., et al, 1984, p.37-44, chi. 39-1538
- Icelead**
- Solute acquisition in glacial melt waters. I. Fjallsjökull (south-east Iceland) bulk melt waters with closed-system characteristics. Raiswell, R., et al, 1984, p.35-43, eng. 39-240
- Morphology, stratigraphy, and genesis of small drumlins in front of the glacier Myrdalsjökull, south Iceland. Krüger, J., et al, 1984, p.94-105, eng. 39-247
- Subglacial volcanism in north-central British Columbia and Iceland. Allen, C.C., et al, 1982, p.699-715, eng. 39-766
- Chemistry of jökulhlaup water and geothermal system in Iceland. Steinhórnsson, S., et al, 1982, p.73-86, eng. 39-986
- Quaternary alpine glaciation and marine erosion in Iceland. Sigbjarnarson, G., 1982, p.87-98, eng. 39-987
- Snow avalanches in Iceland in the winters 1980-81 and 1981-82. Jónsson, H.H., 1982, p.149-154, eng. 39-990
- Push moraine genesis in southern Iceland. Heim, D., 1984, p.21-36, ger. 39-3374
- Bredamerkurjökull
- Changes in the Bredamerkurjökull, Iceland, 1890-1980. Price, R.J., 1982, p.29-35, eng. 39-981
- Gljufarajökull
- Margins of Gljufarajökull and the chronology of recent deglaciation. Caseldine, C.J., 1982, p.111-118, eng. 39-988
- Jökulsárlón
- Coastal sediments in glacial Lake Jökulsárlón, Iceland. Boulton, G.S., et al, 1982, p.37-47, eng. 39-982
- Katla
- Notes on the Katla volcanoglaciated debris flows. Jónsson, J., 1982, p.61-68, eng. 39-983
- Myrdalsjökull
- Till fabric and recent moraine landscape of Iceland. Krüger, J., et al, 1981, p.19-28, dan. 39-972
- Skálafellajökull
- Annual moraine ridges at Skálafellajökull, south-east Iceland. Sharp, M., 1984, p.82-93, eng. 39-246
- Vatnajökull
- Survey and analysis systems for the Vatnajökull ice-depth sounding expedition. Bishop, J.F., et al, 1984, p.101-110, eng. 39-2304
- Electronic design and performance of an impulse radar ice-depth sounding system used on the Vatnajökull ice-cap, Iceland. Cumming, A.D.G., et al, 1984, p.111-125, eng. 39-2305
- Results of impulse radar ice-depth sounding on the Vatnajökull ice-cap, Iceland. Bishop, J.F., et al, 1984, p.126-134, eng. 39-2306
- Ice depth radio echo-sounding techniques employed on the Hispar and Ghulkin Glaciers. Oswald, G.K.A., 1984, p.86-99, eng. 39-2316
- Icequakes**
- Icequakes and glacier motion: the Hans Glacier, Spitsbergen. Cichowicz, A., 1983, p.27-38, eng. 39-86
- Icing**
- Atmospheric icing on sea structures. Makkonen, L., 1984, 92p., eng. 39-97
- Icing rate on stationary structures under marine conditions. Itagaki, K., 1984, 9p., eng. 39-385
- Winter maintenance of roads in eastern Siberia. Maevskii, A.A., 1984, p.53-58, rus. 39-418
- Climatological ice accretion modelling. 1984, 195p., eng. 39-624
- Minimum flashover voltage of ice insulators. Phan, L.C., et al, 1983, p.605-618, eng. 39-668
- Aerostat icing problems. Hanamoto, B., 1983, 29p., eng. 39-874
- Using the model of a horizontally-inhomogeneous boundary layer for evaluating parameters of ice deposits. Ivanova, L.A., 1984, p.14-21, rus. 39-1135
- Dynamic and aeroelastic action of guy cables. Karna, T., 1984, 69p. + append., eng. 39-1210
- Identifying damages of airport pavements. Smirnov, E.N., et al, 1984, 152p., rus. 39-1554
- Depolarizing effects of rain and ice on satellite links. Runyon, D.L., Jr., et al, 1983, 299p., eng. 39-1715
- Thermal protection system for the space shuttle external tank. Ronquillo, L., et al, 1984, p.228-250, eng. 39-1734
- Effects of ice loads, temperature and wind on cables. Oestreich, U.H.P., 1982, p.95-106, eng. 39-2234
- Distribution of icing load over the USSR. Zakharov, A.G., 1984, p.87-93, rus. 39-2376
- Icing regime of tall structures. Mytarev, M.N., 1984, p.94-103, rus. 39-2377
- Radar meteorology. Stepanenko, V.D., ed, 1984, 211p., rus. 39-2847
- Wind velocities during ice-hoarfrost precipitation over the USSR. Borisenko, M.M., et al, 1984, p.205-209, rus. 39-2850
- See also: Aircraft icing; Glaze; Ice loads; Power line icing; Road icing; Ship icing
- Icing detection**
- See: Ice detection
- Icing rate**
- Heat transfer and icing of a rough cylinder. Makkonen, L., 1985, p.105-116, eng. 39-2553
- See: Ice accretion
- Impact strength**
- Ice flow impacts against arctic offshore platforms. Croteau, P., et al, 1984, p.169-175, eng. 39-84
- Impact resistance of soils of varying moisture and temperature. Zebarth, B.J., et al, 1984, p.449-455, eng. 39-492
- Mechanism of the interaction of a moving snow mass with a fixed obstacle. Shurova, I.E., 1984, p.129-152, eng. 39-1378
- Iceberg collision with semi-submersible drilling unit.**
- Kitami, E., et al, 1984, p.45-53, eng. 39-1791
- Summer impact loads from multiyear floes. Kreider, J., 1984, p.55-65, eng. 39-1792
- Dynamic forces of ice floes acting on bridge piers. Sun, Z.-F., et al, 1984, p.147-155, eng. 39-1800
- Ice satellites of Jupiter and Saturn. Ahrens, T.J., et al, 1984, 44p., eng. 39-2090
- Assembly for studying the impact strength of mudflows. Bukelkhanov, S.R., et al, 1984, p.130-132, rus. 39-2294
- Analysis of iceberg impacts with gravity base structures at Hibernia. Bass, D., et al, 1985, p.255-259, eng. 39-2422
- Flexural and longitudinal elastic wave propagation theory applied to ice flow impact with sloping structures. Luk, C.H., 1985, p.260-270, eng. 39-2423
- Ship ice impact analysis. Koehler, P.E., et al, 1985, p.344-350, eng. 39-2434
- Method to measure iceberg impact areas remotely on a large structure. Hudson, R.D., et al, 1983, p.13-17, eng. 39-2526
- Dynamic forces on an offshore structure from ice flow impacts. Hocking, G., et al, 1985, p.202-210, eng. 39-3173
- Ice flow impact force on vertical sided structures. Cox, J.R., 1985, p.211-219, eng. 39-3174

- Ice forces due to impact loading on a slope structure. Evans, R.J., et al, (1985, p.220-229, eng) 39-3175
- Ice-structure interaction of an offshore platform. Powell, G., et al, (1985, p.230-238, eng) 39-3176
- Role of ice gouging in determining global forces on arctic structures. Bea, R.G., et al, (1985, p.251-266, eng) 39-3178
- Selection of environmental design criteria for arctic structures. Myers, P.E., (1985, p.403-411, eng) 39-3189
- Response of concrete shell panels to simulated impact. Arockiasamy, M., et al, (1985, p.653-670, eng) 39-3213
- Concrete shell panels in simulating bergy-bit impact. Arockiasamy, M., et al, (1984, p.127-138, eng) 39-3476
- Global ice loads on wide offshore structures. Blanchet, D., et al, (1984, p.139-149, eng) 39-3477
- Ice-structure interaction. Cormeau, A., et al, (1984, p.161-174, eng) 39-3479
- Dynamic ice loads on a ship. Tunik, A.L., (1984, p.297-313, eng) 39-3489
- Avalanche tarna. Fitzharris, B.B., et al, (1984, p.308-312, eng) 39-3780
- Impact tests**
- Computer simulation of ice breaking by explosion and impact. Mansour, A., (1982, 33p., eng) 39-1403
- Impurities**
- Liquid conductivity of a 44-meter firm core, McMurdo Ice Shelf. Palais, J.M., et al, (1983, p.106-107, eng) 39-6
- Detailed studies of tephra layers in the Byrd Station ice core: Preliminary results and interpretation. Palais, J.M., et al, (1983, p.109-110, eng) 39-8
- Findings of strongly mineralized ice wedges. Vasil'chuk, I.U.K., et al, (1984, p.129-134, rus) 39-347
- Hydrocarbons in snow, ice, and water in the northern part of the Kara Sea. Dmitriev, F.A., et al, (1983, p.67-71, eng) 39-585
- Precipitation of atmospheric dust on mountain glacier surfaces. Glazyrin, G.E., et al, (1984, p.120-125, rus) 39-643
- Observation of diatoms in Greenland ice. Gayley, R.I., et al, (1984, p.172-173, eng) 39-714
- Soluble impurities in the Byrd Station ice core. Palais, J.M., et al, (1985, p.1143-1154, eng) 39-2365
- Crystal growth in ice and snow. Alley, R.B., (1984, p.73-74, eng) 39-2949
- Meteorites in antarctic ice. Cervelle, B., (1984, p.1454-1456, fre) 39-3134
- Continuous impurity analysis along the Dye 3 deep core. Hammer, C.U., et al, (1985, p.90-94, eng) 39-3572
- See also: Gas inclusions; Snow impurities
- India**
- Beas River**
- Problems of snow cover assessment: an approach using remote sensing techniques in a pilot project in the Beas River basin, Himachal Pradesh, India. Vohra, C.P., et al, (1980, p.139-142, eng) 39-3130
- Changme-Khangpu Glacier**
- Radiometric chronology of Changme-Khangpu glacier, Sikkim. Nijampurkar, V.N., et al, (1985, p.28-33, eng) 39-3721
- Indicating instruments**
- See: Monitors
- Indices**
- See: Permafrost indicators
- Industrial buildings**
- Cylindrical cinder blocks for building on permafrost. Zrelakov, V.A., et al, (1984, p.16-17, rus) 39-122
- Construction of railroads and associated buildings in permafrost areas. Smirnova, E.A., (1984, p.60-64, rus) 39-133
- Settlement and regional planning for the North. Miakinenkov, V.M., (1983, 115p., rus) 39-646
- Foundations of light-weight buildings on permafrost. Gerasimov, A.S., (1984, 152p., rus) 39-955
- Designing buildings and structures for northern gas fields. Golovkin, V.N., (1984, p.9-10, rus) 39-1029
- Experimental modular transformer sub-stations. Nartaisov, O.A., et al, (1984, p.23-24, rus) 39-1256
- Climatic bases of regional urban planning and construction in Siberia. Pivkin, V.M., (1984, 260p., rus) 39-1364
- Engineering and geological investigations for power plant construction. Kagan, A.A., et al, (1984, p.47-51, rus) 39-1596
- Observing snow melting in industrial centers. Prokacheva, V.G., et al, (1984, p.28-36, rus) 39-1690
- Winter observations of snow loads on metal elements of buildings. Okulov, P.D., (1984, p.8-12, rus) 39-1977
- Methods of accelerated construction of pipeline systems from western Siberia. Shabanov, P.P., (1985, p.14-15, rus) 39-2030
- Pile foundations of buildings and structures on sagging ground. Grigorian, A.A., (1984, 162p., rus) 39-2239
- Nizhnevartovsk—an urban construction experiment in western Siberia. Bazilevich, A., et al, (1984, p.40-43, rus) 39-2858
- Urban planning and construction of petroleum complexes. Sukhanov, N.V., (1985, p.25-27, rus) 39-3122
- Concrete with combined admixtures for engineering structures. Khazanov, M., (1984, p.46-48, rus) 39-3301
- Review of the development and construction technology of northern petroleum fields. Berezin, V.L., et al, (1983, 51p., rus) 39-3426
- Grain elevator foundations built on plastic ground. Potlov, G.G., et al, (1985, p.43-48, rus) 39-3617
- Design and protection of industrial buildings under special conditions. Meteliuk, N.S., et al, (1984, 177p., rus) 39-3693
- Reliability of electric power supply under conditions of the North. Chudinov, G.M., ed, (1977, 117p., rus) 39-3986
- Safety of electrical installations in industrial complexes. Maksimenko, N.N., et al, (1977, p.79-93, rus) 39-3991
- Industrial development**
- See: Economic development
- Industrial wastes**
- Macro- and microelement composition of snow as an index of the polluting effect of an alumina combine. Dronin, N.M., (1984, p.66-67, rus) 39-1428
- Geochemical monitoring of environmental pollution. Kachur, A.N., et al, (1984, p.93-94, rus) 39-1430
- Utilization of mineral wastes in the production of construction materials in the Leningrad region. Chistiakov, B.Z., et al, (1984, 151p., rus) 39-2072
- Infiltration**
- See: Seepage
- Infrared equipment**
- USSR/USA Bering Sea Experiment; Proceedings. Kondrat'ev, K.I.A., ed, (1982, 307p., eng) 39-2737
- Ice thickness distribution as inferred from infrared and microwave remote sensing during the Bering Sea Experiment. Gloersen, P., et al, (1982, p.278-288, eng) 39-2747
- 3 to 5 micron staring array sensor performance in a cold background and against obscurants. Lamboley, W.R., et al, (1984, p.391-395, eng) 39-2977
- Infrared photography**
- Satellite information for studying snow and ice covers. Ushakov, L.A., (1984, p.73-79, rus) 39-392
- Use of aerial and satellite information in studying continental waters. Usachev, V.F., ed, (1984, 125p., rus) 39-1687
- Identifying naleds on multizonal aerial photographs. Abakumenko, A.E., (1984, p.73-80, rus) 39-1697
- Local contrasts in geosystems. Kapitsa, A.P., ed, (1977, 206p., rus) 39-1897
- Photogenic hydrothermal contrasts in landscapes of the Krasnoyarsk lowlands. Kolomoys, E.G., et al, (1977, p.77-121, rus) 39-1900
- Thermal emittance of diathermanous materials. Munia, R.H., et al, (1984, p.209-220, eng) 39-2842
- Infrared radiation**
- Attenuation of visible and infrared radiation in rain and snow. Sokolov, A.V., (1971, p.2175-2178, eng) 39-358
- Attenuation of infrared radiation by ice platelets. Petrushin, A.G., (1979, p.403-407, eng) 39-1359
- Infrared signatures from atmospheric clouds. Stanton, A.C., et al, (1980, 67p., eng) 39-1512
- System for the point measurement of airborne snow extinction coefficient. Hutt, D.L., et al, (1984, p.113-120, eng) 39-2955
- Tank thermal image suppression by insulation of the crew compartment and crew heaters exhaust. Tedeschi, M., (1984, p.357-370, eng) 39-2974
- Snow chemistry of obscurants released during SNOW-TWO/Smoke Week VI. Cragin, J.H., (1984, p.409-416, eng) 39-2980
- Ice fog as an electro-optical obscurant. Koh, G., (1985, 11p., eng) 39-3959
- Infrared reconnaissance**
- Visible/IR transmission and meteorological data. Ben-Shalom, A., et al, (1983, p.89-153, eng) 39-1954
- Radiothermal emission of melting ice. Kondrat'ev, K.I.A., et al, (1985, p.839-842, rus) 39-2730
- Infrared spectroscopy**
- Infrared analysis of free water content of snow. Lammasniemi, J., et al, (1984, p.1.31-1.41, eng) 39-1280
- Lattice mode spectra of ice Ih and amorphous solid water. Nielson, G., et al, (1984, p.5288-5301, eng) 39-2045
- Insolation**
- Ice-age Arctic ocean ice-sheets: a possible direct link with insolation. Fillon, R.H., (1982, p.223-240, eng) 39-1984
- Sensitivities of cryospheric models to insolation and temperature variations using a surface energy balance. Ledley, T.S., (1982, p.581-597, eng) 39-1988
- Insolation gradients and the paleoclimatic record. Young, M.A., et al, (1982, p.707-713, eng) 39-1991
- See also: Solar radiation
- Instrument errors**
- See: Accuracy
- Instruments**
- Fifteen years experience for instruments development. Kimura, T., (1984, p.139-142, jpn) 39-777
- PICO lightweight coring auger. Koci, B.R., et al, (1984, p.244-245, eng) 39-1683
- See also: Measuring instruments; Recording instruments
- Insulation**
- Materials and design of technical equipment for the North. Urzhumtsev, I.U.S., ed, (1984, 85p., rus) 39-1112
- High-voltage plastic insulators for power lines of the North. Dordin, I.U.R., et al, (1984, p.64-71, rus) 39-1116
- Casey domestic building, Vol.1. (1982, var. p., eng) 39-2229
- See also: Electrical insulation; Pipeline insulation; Thermal insulation
- Intake systems**
- See: Water intakes
- Interception**
- Principles of interception process model during a winter season. Gutry-Korycka, M., (1984, p.4.1-4.37, eng) 39-1291
- Interfaces**
- Radar reflections from layers with rough boundaries. Iufit, G.A., (1984, p.37-51, rus) 39-462
- On the rheology of a broken ice field due to floe collision. Shen, H., et al, (1984, p.29-34, eng) 39-1127
- Interaction of oil and arctic sea ice. Thomas, D.R., (1984, p.441-460, eng) 39-1884
- Thermal interaction between pipelines and the environment. Krivoshein, B.L., (1984, p.242-247, eng) 39-2165
- Internal friction**
- Aging phenomena in ice I(h). Tatibouet, J., et al, (1981, p.1473-1480, fre) 39-1150
- Ship-hull motion through brash ice. Kitazawa, T., et al, (1984, p.277-286, eng) 39-1810
- International cooperation**
- Geographical aspects of the First International Polar Year, 1882-1883. Barr, W., (1983, p.463-484, eng) 39-859
- United States and the role of science in the Arctic. Weller, G., (1984, p.158-177, eng) 39-1014
- Antarctic adventure. Gernandt, H., (1984, 284p., ger) 39-1828
- Introduced plants**
- All-Union conference "Vegetational cover of Subarctic highlands and problems of Arctic-Alpine floristic bonds". Khibiny, July 10-15, 1984. Summaries. (1984, 113p., rus) 39-503
- Limitations to predictability of plant succession in northern ecosystems. Wein, R.W., et al, (1983, p.214-225, eng) 39-1522
- Acclimatization potential of woody plants in the North. Kazakov, L.A., (1984, p.65-68, rus) 39-2648
- Ultrastructural aspects of plant adaptation to the Far North. Miroslavov, E.A., et al, (1984, p.113-117, rus) 39-2653
- Introduction of decorative plants in Yakutia. Andreev, V.N., ed, (1984, 100p., rus) 39-3009
- Introducing plants to permafrost areas. Krotova, Z.E., et al, (1984, p.5-11, rus) 39-3010
- Review of studies of flora in Yakutia. Savkina, Z.P., et al, (1984, p.12-29, rus) 39-3011
- Dynamics of forest ecosystems in the Subarctic. Plotnikov, V.V., (1984, 128p., rus) 39-3344
- Polar-Alpine botanical garden (Reference book). Andreev, G.N., et al, (1984, 91p., rus) 39-3591
- Ion diffusion**
- Isotopic diffusion in cold snow and firm. Whillans, I.M., et al, (1985, p.3910-3918, eng) 39-2989
- Ions**
- Reducing frost heave. Baker, G.C., et al, (1984, p.10-15, eng) 39-81
- Ionberg-iceberg model of aqueous solvation and water exchange reactions. Phillips, J.C., (1984, p.478-483, eng) 39-92
- Equipment for determining salt composition of sea ice. Privorov, S.V., et al, (1984, p.113-119, rus) 39-473
- Molecular erosion of ice by keV ion bombardment. Ciavola, G., et al, (1982, p.407-412, eng) 39-1147
- Influence of ice formation on hydrochemical regime of streams. Amiraliev, N.A., et al, (1984, p.64-76, rus) 39-2379
- Intermolecular interactions in ice and liquid water. Cummins, P.L., et al, (1985, p.2002-2013, eng) 39-2510
- Hydrogen evolution in liquid and frozen aqueous electrolyte. Frese, U., et al, (1985, p.1059-1062, eng) 39-3924
- Irrigation**
- Large-scale water transfers in the USSR. Kelly, P.M., et al, (1983, p.201-214, eng) 39-618
- Land reclamation problems in the Magadan area. Talyzin, I.U.I., (1984, p.31-33, rus) 39-1301
- Irrigation of cryogenic chernozem. Poriadin, V.M., (1984, p.65-71, rus) 39-3026
- Irrigation scheduling for annual grasses in the Magadan area. Lomakin, M.V., (1984, p.53-55, rus) 39-3257
- Islands**
- See: Artificial islands; Ice islands
- Isotasy**
- Review of major scientific results from U.S. satellite altimetry and projections for the future. Apel, J.R., et al, (1984, p.1-16, eng) 39-3093

Isotope analysis

- Accumulation of Strontium-90 and cesium-137 in lichens. Nifontova, M.G., (1981, p.101-102, rus) 39-76
- Isotopic composition of ice and subglacial calcite in an alpine area. Lemmens, M., et al, (1983, p.151-159, eng) 39-102
- Isotope stratification in high mountain glaciers: examples from the Peruvian Andes and Himalaya. Grabczak, J., et al, (1983, p.417-424, eng) 39-203
- Behavior of 238-U, 232-Th and 226-Ra in mountain tundra soils. Shukhtomova, I.I., et al, (1983, p.51-56, rus) 39-220
- Stable isotope analysis of a submarine ice cliff at Explorers Cove, McMurdo Sound, Antarctica. Stockton, W.L., et al, (1984, p.112-115, eng) 39-249
- Isotope research in Antarctica. Schütze, H., et al, (1984, p.28-31, eng) 39-857
- Isotopic effects during snow formation. Jouzel, J., et al, (1984, p.11749-11757, eng) 39-1407
- Using isotopic magnetic susceptibility to delineate glacial till. Chernicoff, S.E., (1984, p.113-118, eng) 39-2065
- Isotope variations in ice cores from Ellesmere Island, N.W.T. Jeffries, M.O., (1983, 37p., eng) 39-2208
- Ice shelf studies of the Ellesmere Island, N.W.T. Jeffries, M.O., (1984, 83p., eng) 39-2209
- Accumulation on the Filchner/Ronne Ice Shelves. Reinhardt, O., et al, (1985, p.7-17, ger) 39-2800
- Sulphur in antarctic snow and firn. Nielson, H., (1985, p.118-123, ger) 39-2814
- Behavior of Sr-90 and Cs-137 in soils and their accumulation in plants. Aliev, D.A., et al, (1985, p.85-89, rus) 39-3110
- Late-Glacial climatic history from ice cores. Oeschger, H., et al, (1983, p.95-107, eng) 39-3146
- N(15) variations in peat bogs and climatic changes in the past. Schleser, G.H., (1983, p.124-128, eng) 39-3147
- Study of climatic series by time-frequency analysis. Benoit, J.P., et al, (1982, p.1902-1905, eng) 39-3272
- Fallout from the atmosphere in the Arctic and Antarctic. Koide, M., et al, (1985, p.95-100, eng) 39-3573
- Present status and future of lead studies in polar snow. Patterson, C.C., et al, (1985, p.101-104, eng) 39-3574
- Radiometric chronology of Changm-Khangpu glacier, Sikkim. Nijampurkar, V.N., et al, (1985, p.28-33, eng) 39-3721
- Isotopic composition of water and ice during freezing. Souchez, R.A., et al, (1984, p.369-372, eng) 39-3790
- Isotope study of Lake Unter-See. Hermichen, W.-D., et al, (1985, p.131-133, eng) 39-3888
- Ocean-atmosphere systems modes of operation. Broecker, W.S., et al, (1985, p.21-26, eng) 39-3890
- Isotopes**
- Deuterium diffusion in a soil-water-ice mixture. Oliphant, J.L., et al, (1984, 11p., eng) 39-1139
- See also: Carbon isotopes; Oxygen isotopes; Radioactive isotopes
- Isotopic labeling**
- Investigations of glacier hydrological systems using dye tracer techniques: observations at Pasterzengletscher, Austria. Burckmister, M., (1983, p.403-416, eng) 39-202
- Isotopic tracing of melt-water in the soil and estimation of groundwater recharge. Saxena, R.K., et al, (1984, p.569-584, eng) 39-1296
- Italy**
- Report on the 1982 glaciological survey. (1983, p.72-100, ita) 39-621
- Alps**
- Geomorphological research on Cevedale Mt. Italy. (1983, p.56-60, fre) 39-620
- Capellino Mountain**
- Ice accretion at Mt. Capellino during the winter 1981/82. Flocchini, F., et al, (1982, p.277-279, eng) 39-1216
- Matese Mountain**
- Effects of the Quaternary glaciers on the Matese Mt., Italy. Palmentola, G., et al, (1983, p.117-130, ita) 39-2844
- Japan**
- Some aspects of ice engineering in Japan. Kitagawa, H., et al, (1985, p.271-280, eng) 39-2424
- Yukikabe**
- Ablation and heat balance of the Yukikabe snow patch in the Daisetsu mountains, Hokkaido, Japan. Sato, A., et al, (1984, p.122-126, eng) 39-185
- Jets**
- See: Hydraulic jets
- Joints (Junctions)**
- Building failure during thawing of grouted panel joints. Shapiro, G.A., et al, (1984, p.20-22, rus) 39-830
- Construction of large panel buildings in freezing weather. Shishkin, A.A., (1984, p.18-19, rus) 39-831
- Construction of small and medium size bridges with all-sectional columnar supports. Blinkov, L.S., (1984, p.20-21, rus) 39-1168
- Seepage and thermal regime of concrete-earth junctions. Gorokhov, E.N., et al, (1984, p.45-46, rus) 39-1595
- Technological strength of welded joints at low temperatures. Sleptsov, O.I., (1984, 102p., rus) 39-2572

- Winter construction of large panel buildings. Barkov, I.U.V., et al, (1984, p.5-7, rus) 39-3739
- Karst**
- Castleguard karst and Columbia Icefields physiography. Ford, D.C., (1983, p.427-436, eng) 39-1323
- Hydrology of the Castleguard karst, Columbia Icefield, Alberta, Canada. Smart, C.C., (1983, p.471-486, eng) 39-1324
- Arctic and alpine karst in Norway. Gale, S.J., (1984, p.311-314, eng) 39-1824
- Talus and rock glaciers. Jorda, M., (1983, p.15-24, fre) 39-2468
- Geomorphology of glaciers and karst of Dedeğöl Dag, Turkey. Delannoy, J.J., et al, (1983, p.45-53, fre) 39-2469
- Design and protection of industrial buildings under special conditions. Meteliuk, N.S., et al, (1984, 177p., rus) 39-3693
- See also: Thermokarst
- Kashmir**
- Balt Bare Glacier**
- A surging advance of Balt Bare glacier, Karakoram Mountains. Wang, W., et al, (1984, p.76-83, eng) 39-2301
- Karakoram Mountains**
- International Karakoram Project. Miller, K.J., ed. (1984, 2 vols., eng) 39-2296
- Sedimentological analysis of glacial and proglacial debris: a framework for the study of Karakoram glaciers. Derbyshire, E., (1984, p.347-364, eng) 39-2311
- Geomorphology of high magnitude-low frequency events in the Karakoram Mountains. Brunsden, D., et al, (1984, p.383-388, eng) 39-2314
- Impulse radar ice-depth sounding on the Hispar Glacier. Dong, Z.B., (1984, p.100-110, eng) 39-2317
- Impulse radar ice-depth sounding of the Ghulkin glacier. Francis, M.R., et al, (1984, p.111-123, eng) 39-2318
- Kenya**
- Kenya Mountain**
- Climatic changes and Lewis Glacier, Mount Kenya. Kruss, P., (1983, p.43-60, eng) 39-1632
- Lewis Glacier**
- Net balance, surface lowering, and ice-flow pattern in the interior of Lewis Glacier, Mount Kenya, Kenya. Hastenrath, S., (1983, p.392-402, eng) 39-201
- Terminus response of Lewis Glacier, Kenya. Kruss, P., (1984, p.212-217, eng) 39-1676
- King George Island**
- Glaciological and geocryological studies on King George Island. Viituri, B.I., et al, (1984, p.33-37, rus) 39-976
- Cryogenic landforms of King George Island, South Shetland Islands. Viituri, B.I., et al, (1985, p.77-82, rus) 39-2039
- Snowdrift patches on King George (Waterloo) Island. Viituri, B.I., (1984, p.209-214, rus) 39-2793
- Laboratories**
- Laboratory base for geophysical observations. Gernandt, H., et al, (1983, p.354-358, eng) 39-2624
- Laboratory techniques**
- Ice crystals grown from the vapor at temperatures lower than -15 deg C. Yamashita, A., et al, (1984, p.96-103, eng) 39-3451
- Labrador Sea**
- Iceberg deflection with anchors. Mellor, D.C., (1984, 27p., eng) 39-477
- Ice management in the Labrador Sea. Miller, J.D., et al, (1984, p.45-49, eng) 39-738
- Measurement of iceberg temperatures. Diemand, D., (1983, p.3-16, eng) 39-2835
- Iceberg distributions in the Labrador Sea from SLAR imagery 1978-1980. Sutton, J., et al, (1983, p.17-20, eng) 39-2836
- Icebergs in the Strait of Belle Isle and approaches. (1982, 21p. + map, eng) 39-2919
- Lacustrine deposits**
- Lake sediments as continental delta O-18 records from the glacial/post-glacial transition. Siegenthaler, U., et al, (1984, p.149-152, eng) 39-189
- Lacustrine glacier retreat sequence from the Perno-Carboniferous Dwyka Formation, Republic of South Africa. Visser, J.N.J., (1983, p.515-520, eng) 39-214
- Alaskan varve thickness and climatic changes. Perkins, J.A., et al, (1983, p.308-321, eng) 39-617
- Climatic changes, cirque glaciers and vegetation, Norway. Larsen, E., et al, (1984, p.137-160, eng) 39-717
- Engineering and geological research in construction on weak ground. Rubinshtein, A.I.A., et al, (1984, 108p., rus) 39-1932
- Glacial and postglacial sediments, Calgary area, Alberta. Proudfoot, D.N., et al, (1982, 159p., eng) 39-2567
- Glacial varved clay in the banks of Nottawasaga River, Ontario. Gravenor, C.P., et al, (1985, p.291-294, eng) 39-2683
- History of a glacier-dammed lake on Donjek River, Yukon. Perchanok, M.S., (1980, 111p., eng) 39-2686
- Glacial lake in the Richardson and Rae River basins, Northwest Territories. Mercier, A.L., (1984, p.75-80, eng) 39-2709

- Engineering and geological characteristics of clay soils in Nечернозем'е. Osipov, I.U.B., et al, (1985, p.79-89, rus) 39-2881
- Freezing device for sampling the sediment-water interface of lakes. Pachur, H.-J., et al, (1984, p.65-70, eng) 39-3389
- Composition and structure of permafrost in the Khanta-Mansiysk area. Sukhorukova, S.S., (1985, p.37-43, rus) 39-3616
- Relict ice scour signatures on mainland Canada. Mollard, J.D., (1985, p.11-31, eng) 39-3754
- Lake effects**
- Quantitative estimates of the effect of Lake Michigan on snowfall. Braham, R.R., Jr., et al, (1984, p.940-949, eng) 39-285
- Lake ice**
- Isotope hydrology and hydrochemistry of Lake Unter-See. Hermichen, W.-D., et al, (1984, p.75-86, eng) 39-128
- Elastic constants of artificial and natural ice samples by Brillouin spectroscopy. Gammon, P.H., et al, (1983, p.433-460, eng) 39-205
- Ice formation on Minnesota lakes using LANDSAT data. Stefan, H., et al, (1979, 98p., eng) 39-487
- Improving ice and snow measurements on lakes. Adams, W.P., (1984, p.1-1-14, eng) 39-537
- Light transmission in a lake covered with snow and ice. Adams, W.A., et al, (1984, p.65-71, eng) 39-540
- Drainage of a marginal ice-dammed lake in S. Greenland. Clement, P., (1984, p.209-216, eng) 39-719
- Hydrochemistry of ice in thermokarst lakes. Shesterkin, V.P., (1984, p.137-143, rus) 39-851
- Light transmission through lake ice. Roulet, N.T., et al, (1984, p.67-74, eng) 39-881
- Rate of lake shore erosion in permafrost areas. Shul'gin, M.V., (1984, p.135-136, rus) 39-917
- M.V. Arctic special report on Lake Melville probe. Dick, R.A., et al, (1982, 32p., eng) 39-999
- General hydrology (hydrology of dry land). Bogoslovskii, B.B., et al, (1984, 422p., rus) 39-1136
- Hydrology and glaciology of the dry valleys, 1980-81. Chinn, T.J., et al, (1983, 64p., eng) 39-1206
- Unveiling the secrets of the ice continent. Zotikov, I.A., (1984, 248p., rus) 39-1369
- Use of aerial and satellite information in studying continental waters. Usachev, V.F., ed. (1984, 125p., rus) 39-1687
- Ice cover thickness of Lake Ladoga. Chizhov, A.N., et al, (1984, p.36-47, rus) 39-1691
- Necessity of independent nomenclature for fresh-water ice. Chizhov, A.N., et al, (1984, p.47-51, rus) 39-1692
- Ice conditions on the Zeya reservoir from satellite information. Desiatova, G.I., et al, (1984, p.51-54, rus) 39-1693
- Flexural strengths of freshwater model ice. Gow, A.J., (1984, p.73-82, eng) 39-1757
- Quiet freezing of lakes and the concept of orientation textures in lake ice sheets. Gow, A.J., (1984, p.137-149, eng) 39-1763
- Forecasting snow and black ice growth from temperature and precipitation. Bengtsson, L., (1984, p.173-185, eng) 39-1766
- Ice scour and ice ridging studies in Lake Erie. Grass, J.D., (1984, p.33-43, eng) 39-1790
- Application of subsurface radar measurement of ice thickness. Mayer, L., et al, (1984, p.325-338, eng) 39-1814
- Ice jam halts lakers. Perkins, J., et al, (1984, p.221-223, eng) 39-2718
- Radiothermal emission of melting ice. Kondrat'ev, K.I.A., et al, (1985, p.839-842, rus) 39-2730
- Great Lakes winter weather and ice conditions for 1982-83. Assel, R.A., et al, (1984, 35p., eng) 39-2888
- Thickness of ice on perennially frozen lakes. McKay, C.P., et al, (1985, p.561-562, eng) 39-2928
- Great Lakes harbor and its design for ice conditions. Wortley, C.A., (1984, 227p., eng) 39-3034
- Size and perfection of crystals in lake ice. Barns, R.L., et al, (1985, p.104-110, eng) 39-3139
- Growth and mechanical properties of river and lake ice. Ramsier, R.O., (1972, 243p., eng) 39-3387
- Great Lakes winter weather and ice conditions. Assel, R.A., et al, (1985, p.291-303, eng) 39-3391
- Toward a radar surveillance system for Lake Melville/Offshore Labrador. Parashar, S., et al, (1984, p.293-300, eng) 39-3445
- Effect of air temperature on the duration of lake ice cover. Lassanen, O., (1984, p.57-67, eng) 39-3470
- Ice engineering in 1984. Michel, B., (1984, p.301-325, eng) 39-3503
- Lake Erie cable crossing—ice scour study. Grass, J.D., (1985, p.1-10, eng) 39-3753
- Lake Erie ice scour investigation. Comfort, G., et al, (1985, p.55-99, eng) 39-3757
- Isotope study of Lake Unter-See. Hermichen, W.-D., et al, (1985, p.131-133, eng) 39-3888
- Energy: Alaska. Davis, N., (1984, 530p., eng) 39-4002
- Lake water**
- Subglacial heating of water in icebound lakes. Petrov, M.P., (1984, p.88-92, rus) 39-914
- Monitoring pond waters near Showa Station (II). Murayama, H., et al, (1984, p.187-193, eng) 39-1093

- Origin of salts in antarctic saline lake waters. Masuda, N., et al, (1984, p.194-203, eng) 39-1094
- Limnology of Lake Koonanusa, MT, the 1967-1972 study. Bonde, T.J.H., et al, (1982, 184p, eng) 39-1260
- Climate forcing: effects of El Niño on a small, temperate lake. Strub, P.T., et al, (1985, p.55-57, eng) 39-2684
- Effect of Lake Michigan on a surface synoptic low. Clark, D., (1984, p.335-345, eng) 39-2972
- Great Lakes hydrologic forecast models. Gauthier, R.L., et al, (1985, p.1129-1140, eng) 39-3706
- Isotope study of Lake Unter-See. Hermichen, W.-D., et al, (1985, p.131-133, eng) 39-3888
- Lakes**
- Hydrochemistry of rivers and lakes in the Buryat ASSR. Oboshin, V.N., et al, (1984, 151p, rus) 39-482
- See also: Glacial lakes; Icebound lakes; Limnology; Ponds; Reservoirs; Salt lakes; Thermokarst lakes
- Laminar flow**
- Deformation in the vicinity of ice divides. Raymond, C.F., (1983, p.357-373, eng) 39-198
- Land development**
- Soil development of Quaternary deposits of various ages in the central Yukon Territory. Tarnocai, C., et al, (1985, p.229-238, eng) 39-2330
- Land ice**
- Ice-age climate and continental ice sheets: some experiments with a general circulation model. Manabe, S., et al, (1984, p.100-105, eng) 39-181
- Sea and ocean level fluctuations for 15,000 years. Kaplan, P.A., ed, (1982, 230p, rus) 39-754
- Origin of "inundated shore lines" of glaciated North Atlantic shelves. Grosvald, M.G., (1982, p.125-133, rus) 39-757
- Studies of recent land glaciation of the Soviet Arctic. Govorukha, L.S., (1984, p.344-350, rus) 39-1303
- Glaciological activities of the Vavilov Dome research station. Govorukha, L.S., (1984, p.79-82, rus) 39-1833
- Thermodynamic model of seasonal evolution of the ocean-atmosphere system. Kagan, B.A., et al, (1984, p.201-204, eng) 39-2196
- Ice and snow maps for continents. Aliushinskaya, N.M., et al, (1984, p.63-68, rus) 39-2769
- New broader classification of natural ice. Vtiurin, B.I., et al, (1984, p.93-104, rus) 39-2772
- Variations of global water exchange. Klige, R.K., (1985, 247p, rus) 39-3600
- Land reclamation**
- Increasing economic efficiency of the intensification of fodder plant production in northern Europe. Podopielov, V.P., ed, (1983, 98p, rus) 39-26
- Effectiveness of grassland establishment in tundra. Kotelina, N.S., et al, (1983, p.47-57, rus) 39-27
- Nitrogen behavior in soils irrigated with liquid waste. Selim, H.M., et al, (1984, p.96-108, eng) 39-234
- Improving the thermal regime of frozen peat. Korokov, A.S., (1984, p.67-69, rus) 39-319
- Land reclamation problems in the Magadan area. Talyzin, I.U., (1984, p.31-33, rus) 39-1301
- Studying paludal areas from aerial photographs. Kirushkin, V.N., et al, (1980, p.38-39, rus) 39-1334
- Equipment designed for land reclamation. Meshkov, V.M., (1984, p.24-27, rus) 39-1347
- Soils and geological conditions of the Nечернозем'e. Sergeev, E.M., ed, (1984, 608p, rus) 39-1424
- Role of mosses in reclamation of brine spills in forested areas. Rosa, B.A., et al, (1984, p.67-71, eng) 39-1935
- Terrain sensitivity and recovery in arctic regions. Webber, P.J., (1984, p.135-136, eng) 39-2144
- Economic development of taiga. (1984, 184p, rus) 39-2341
- Influence of land reclamation and river diversion on water reserves. Malik, L.K., (1984, p.95-108, rus) 39-2347
- Runoff in the forest zone of the West Siberian Plain. Burakov, D.A., et al, (1984, p.109-119, rus) 39-2348
- Evaporation from forests and swamps in western Siberia. Rauner, I.U., et al, (1984, p.120-127, rus) 39-2349
- Economic development of the lower Irtysh River valley. Druzhinina, N.P., et al, (1984, p.50-76, rus) 39-2577
- Symposium on the use of mathematical modeling in ecological investigations of forests and swamps, Aug. 21-23, 1984. Summaries. (1984, 136p, rus) 39-2580
- Ecologic diversity of drained forests. Bush, K.K., (1984, p.36-38, rus) 39-2584
- Modeling the growth and maintenance-cutting of drained stands. Konstantinov, V.K., (1984, p.56-61, rus) 39-2585
- Qualitative model of long-range dynamics of paludal forests. Glebov, F.Z., et al, (1984, p.73-77, rus) 39-2586
- Earthwork equipment used at different soil freezing depths. Meshkov, V.M., (1985, p.5-7, rus) 39-2733
- Economic development of lands under permafrost conditions. Gavril'ev, P.P., (1984, p.20-34, rus) 39-3022
- Landscape-indication technique of surveying for land reclamation. Vinokurov, I.U., et al, (1984, p.41-76, rus) 39-3081
- Calculating drainage parameters for seasonally freezing peat. Glushkova, N.I., (1985, p.44-46, rus) 39-3258
- Reclamation problems in flood-plain development of western Siberia. Malik, L.K., (1985, p.14-19, rus) 39-3259
- Tele-indication of dynamic states of soil and vegetation covers. Konstantinov, V.D., et al, (1985, p.112-119, rus) 39-3826
- Winter construction related to land reclamation. (1985, p.26-28, rus) 39-3873
- See also: Revegetation
- Landform identification**
- See: Terrain identification
- Landforms**
- Morphology, stratigraphy, and genesis of small drumlins in front of the glacier Myrdalsjökull, south Iceland. Krüger, J., et al, (1984, p.94-105, eng) 39-247
- Basal moraine hills at Boduizangbu Basin in the southeastern Tibet. Yang, Y., (1983, p.71-74, chi) 39-270
- Preliminary discussion on influence of Tarim Basin upon the glacier development in southern Tian Shan Mountains. Wang, Z., et al, (1984, p.61-70, chi) 39-934
- Basic characteristics of periglacial landforms on Wutai Mountain. Zhu, J., et al, (1984, p.71-76, chi) 39-935
- Changes in the Breidamerkjökull, Iceland, 1890-1980. Price, R.J., (1982, p.29-35, eng) 39-981
- Seasonal frost mounds, North Fork Pass, northern Yukon Territory. Pollard, W.H., (1983, p.11-23, eng) 39-1020
- Landsat based mapping of snow and vegetation cover. Hawes, D.B., (1984, var.p. + 2 maps, eng) 39-1143
- Ecological land classification and evaluation in southern Yukon: an aid in identifying research and management requirements. Senyk, J.P., (1983, p.70-82, eng) 39-1519
- Questions about glacial traces in the Tanzhesi area in Beijing. Li, H., et al, (1984, p.77-82, chi) 39-1543
- Some terrain and land-use problems associated with exploratory wellsites, Northern Yukon Territory. French, H.M., (1984, p.365-385, eng) 39-2270
- Stratified nature of deposits in streamlined glacial landforms on southern Victoria Island. District of Franklin. Sharpe, D.R., (1985, p.365-371, eng) 39-2331
- Glacier ice and morphology of a fjord, British Columbia. Roberts, M.C., et al, (1984, p.381-393, eng) 39-2566
- Streamline outcrop: a landform from glacial erosion. Dionne, J.C., (1984, p.69-74, fre) 39-2708
- Soil-landscape relations in northern Alaska. Everett, K.R., (1981, 357p, eng) 39-3511
- Gravimetric measurement of glacier thickness in Tian Shan. Zeng, Z., (1984, p.31-38, chi) 39-3515
- Analyzing the spatial distribution of drumlins: a two-phase mosaic approach. Boots, B.N., et al, (1984, p.302-307, eng) 39-3779
- Patterns of glacial erosion across the eastern Canadian Arctic. Andrews, J.T., et al, (1985, p.69-92, eng) 39-3933
- See also: Offshore landforms
- Landing strips**
- See: Aircraft landing areas; Ice runways; Runways
- LANDSAT**
- Special colour enhancement for three channels having similar radiances. Thomas, I.L., et al, (1984, p.753-760, eng) 39-2354
- Satellites over Antarctica. Rycroft, M.J., et al, (1984, p.1189-1190, eng) 39-3635
- Landscape development**
- Protective structures in terrain stabilization. Schiechl, H.M., (1973, 244p, ger) 39-661
- Till fabric and recent morainal landscape of Iceland. Krüger, J., et al, (1981, p.19-28, dan) 39-972
- Till and recent dead ice landscape, Höfðabrekkujökull, Iceland. Krüger, J., (1982, p.45-56, dan) 39-974
- Periglacial landscapes and loess accumulation in the Late Pleistocene Arctic and Subarctic. Tomirdaro, S.V., (1984, p.141-145, eng) 39-1061
- Glacial and paraglacial sediments of the Hunza Valley, North West Karakoram, Pakistan: a preliminary analysis. Li, J., et al, (1984, p.496-535, eng) 39-2322
- Temperature and transport of ground at a nivation site, N. Norway. Hall, K.J., (1985, p.27-37, eng) 39-3587
- Landscape types**
- Cryogenesis and the formation of soil. Khudiakov, O.I., (1984, 196p, rus) 39-28
- Soils of the islands and maritime regions of the Pacific Ocean: Proceedings of the 14th Scientific Congress on the Pacific Ocean, Khabarovsk, August, 1979. Ilev, A.M., ed, (1982, 174p, rus) 39-29
- Pedologic and geographic regionalization of the Far North-East. Ignatenko, N.V., et al, (1982, p.44-96, rus) 39-30
- Snow cover distribution in river basins. Kopyl, I.V., et al, (1984, p.70-78, rus) 39-38
- Studying winter state of different landscapes. Beruchashvili, N.L., et al, (1984, p.78-82, rus) 39-39
- Principles of distinguishing soil provinces in geographic regionalization. Urusevskaya, I.S., (1984, p.3-10, rus) 39-442
- Summaries of papers presented at the 5th convention of the delegates of the All-Union Botanical Society. Lavrenko, E.M., ed, (1973, 403p, rus) 39-446
- Compiling a statistical model of tundra, taking as an example the hummocky and spotty tundras of Taymyr Peninsula. Khramtsov, V.N., et al, (1984, p.104-105, rus) 39-327
- Geomorphology of the NE coastal plain of Prince Charles I., Svalbard. Brossard, T., et al, (1983, p.83-97, fre) 39-724
- Late Quaternary environments of the Soviet Union. Velichko, A.A., ed, (1984, 327p, eng) 39-1055
- Periglacial landscapes of the East European plain. Velichko, A.A., et al, (1984, p.95-118, eng) 39-1059
- Landscape as viewed in the 320-nm ultraviolet. Livingston, W., (1983, p.1653-1657, eng) 39-1222
- Aerial, satellite and cartographic methods of studying environments. Summaries of reports presented at the 4th section of the 7th meeting of the Geographic Society of the USSR. Kondrat'ev, K.I.A., ed, (1980, 126p, rus) 39-1327
- Satellite photography of western and central Siberia. Astakhov, V.I., et al, (1980, p.24-25, rus) 39-1331
- Using aerial and satellite information in geological mapping. Deleur, M.S., et al, (1980, p.39-41, rus) 39-1335
- Ecological bases of lake bioproductivity in different natural zones. Kitaev, S.P., (1984, 207p, rus) 39-1436
- Pine forests of northern Europe. Ziabchenko, S.S., (1984, 247p, rus) 39-1443
- Geobotanical mapping of taiga. Vasil'chuk, A.I., (1984, p.56-58, rus) 39-1490
- Glossary of landscape and vegetation ecology for Alaska. Gabriel, H.W., et al, (1984, 137p, eng) 39-1575
- Environmental impact of power plant construction. Vas'kovskii, A.P., et al, (1984, p.80-82, rus) 39-3063
- Behavior of Sr-90 and Cs-137 in soils and their accumulation in plants. Aliev, D.A., et al, (1985, p.85-89, rus) 39-3110
- Geochemical landscapes of the Karelia-Kola Peninsula region. Stukkel, G.A., (1985, p.14-21, rus) 39-3540
- Role of snow cover in differentiation of landscape zones. Nefed'eva, E.A., et al, (1985, 143p, rus) 39-3806
- See also: Alpine landscapes; Arctic landscapes; Deserts; Forest land; Forest tundra; Karst; Steppes; Subarctic landscapes; Taiga; Tundra
- Landlides**
- Permafrost transformation induced by mining activities. Pisarskii, B.I., et al, (1982, p.119-123, rus) 39-37
- Studying slope processes in Caucasus forests. Imanov, N.A., et al, (1984, p.103-104, rus) 39-1495
- Slope processes in the continental part of the Far East. Korotkii, A.M., et al, (1977, p.122-133, rus) 39-1901
- Geological, zonal and climatic peculiarities of landslide formation. Sheshenia, N.L., et al, (1984, 125p, rus) 39-2042
- Geomorphology of high magnitude-low frequency events in the Karakoram Mountains. Brunsten, D., et al, (1984, p.383-388, eng) 39-2314
- Creep and sliding in clay slopes during freeze thaw cycles. Czarda, K.A., et al, (1984, 45p, eng) 39-2514
- Construction in paludal loess areas. Gospodinov, D.G., et al, (1985, p.54-60, rus) 39-3619
- Formation of gullies in the Novosibirsk area. Petrova, N.I., (1985, p.60-69, rus) 39-3620
- See also: Mudflows
- Large panel buildings**
- Reinforced concrete panels for building construction in cold areas. Pavlovskaya, O., (1984, p.6-7, rus) 39-432
- Wall panels for buildings in continental climates. Tsimbler, V.G., et al, (1984, p.24-25, rus) 39-793
- Building failure during thawing of grouted panel joints. Shapiro, G.A., et al, (1984, p.20-22, rus) 39-830
- Construction of large panel buildings in freezing weather. Shishkin, A.A., (1984, p.18-19, rus) 39-831
- Construction of large panel buildings. Rozanov, N.P., (1982, 224p, rus) 39-870
- Towns and villages along the BAM. Sukhanov, N.V., (1984, p.32-35, rus) 39-1172
- Dwellings and climate. Litskevich, V.K., (1984, 288p, rus) 39-2278
- Large-panel municipal buildings in the Far North. Shkharov, N.D., et al, (1984, 172p, rus) 39-2439
- Large panel buildings designed for the North. Kruglova, I.A.B., (1985, p.32-33, rus) 39-2865
- Large panel residential buildings for Siberian conditions. Khabibulin, K.I., et al, (1985, p.27-29, rus) 39-3123
- Tall residential buildings for cold regions. Krushinskii, V.I., (1985, p.8-9, rus) 39-3735
- Assembly of large-panel buildings in freezing weather. Sergeev, D.D., (1985, p.18-19, rus) 39-3737
- Winter construction of large panel buildings. Barkov, I.U.V., et al, (1984, p.5-7, rus) 39-3739
- Pile foundation deformation and frost heave. Kosterin, E.V., (1985, p.247-251, eng) 39-3817
- Large unit construction**
- See: Modular construction
- Lasers**
- Airborne laser systems for remote sensing of vegetation. Kanevskii, V.A., et al, (1984, p.137-139, rus) 39-1497
- Visible/IR transmission and meteorological data. Ben-Shalom, A., et al, (1983, p.89-133, eng) 39-1954

Lasers (cont.)

- Study of laser deicing. Gajda, W.J., (1983, 40p., eng) 39-3922

Latent heat

- Theoretical basis for obtaining friable ice. Smorygin, G.I., (1984, 157p., rus) 39-1154
- Heat fluxes, humidity profiles, and surface humidity. Andreas, E.L., (1982, 18p., eng) 39-1265
- Comparison of the snowmelt energy budgets in two alpine basins. Moore, R.D., (1983, p.1-10, eng) 39-1370
- Effects of variations in the latent heat of ice fusion in soils on interaction of boreholes with permafrost. Anisimov, M.A., et al., (1984, p.200-203, eng) 39-2156
- Analyzing numerical results in domain heat transport models using the CVBEM. Hromadka, T.V., II, (1985, p.22-30, eng) 39-2391
- Latent heat of frozen saline coarse-grained soil. Vinson, T.S., et al., (1985, p.607-623, eng) 39-3524

Lattice models

- Lattice statistics model for the age distribution of air bubbles in ice. Enting, I.G., (1985, p.654-655, eng) 39-3907

Layers

- Radar reflections from layers with rough boundaries. Iuft, G.A., (1984, p.37-51, rus) 39-462
- See also: Stratification

Lead iodide

- Evaluation of lead aerosols by an ice nucleation method. Ueno, Y., et al., (1982, p.251-258, eng) 39-1656

Leakage

- See also: Air leakage

Level

- See: Sea level; Water level

Lichens

- Bryo-lichenological studies of high-altitude regions and the northern USSR. Shliakov, R.N., ed., (1981, 125p., rus) 39-55
- Moss-lichen covers of Alpine tundra. Sulialina, A.V., (1981, p.53-54, rus) 39-66
- Problems in studying lichens of the Far North. Trass, Kh.Kh., (1981, p.68-70, rus) 39-71
- Problems in studying lichen synusia of the Arctic. Trass, Kh.Kh., (1981, p.70-72, rus) 39-72
- Lichens in the Arctic tundras of the Yamal Peninsula. Andreev, M.P., (1981, p.75-76, rus) 39-73
- Lichens of the western Sayan. Kravchuk, S.V., (1981, p.90-92, rus) 39-74
- Degradation of lichens and mosses in air-pollution areas. Kriuchkov, V.V., (1981, p.92-94, rus) 39-75
- Accumulation of Strontium-90 and cesium-137 in lichens. Nifontova, M.G., (1981, p.101-102, rus) 39-76
- Lichen flora of the Caucasus. Novruzov, V.S., (1981, p.102-104, rus) 39-77
- Lichens of the Yamal Peninsula. Randlane, T., (1981, p.107-109, rus) 39-78
- Structure of lichen biomass in tundras of the Northeast. Polezhaev, A.N., (1981, p.109-110, rus) 39-79
- Role of lichens in rubly tundras of the Sangien highlands (Tuva). Sedel'nikova, N.V., (1981, p.110-112, rus) 39-80
- Mobility of lichen compounds from *Glandonia mitis* in arctic soils. Dawson, H.J., et al., (1984, p.40-45, eng) 39-454
- All-Union conference "Vegetational cover of Subarctic highlands and problems of Arctic-Alpine floristic bonds", Khibiny, July 10-15, 1984. Summaries. (1984, 113p., rus) 39-503
- Vegetation of the northeastern slope of the Rarytkin Range (Chukotskiy Peninsula). Mironenko, O.N., (1984, p.16-17, rus) 39-508
- Interrelationships of highland vegetation and soils of the Subarctic Kola Peninsula. Nikonov, V.V., et al., (1984, p.18-19, rus) 39-509
- Bald-peak and Alpine tundra communities on the Tukuringa Range. Stetsura, N.N., (1984, p.33-34, rus) 39-513
- Vegetation patterns of Alpine tundra on the Putorana plateau. Chastukhina, S.A., (1984, p.39-40, rus) 39-515
- Tundra vegetation on the Putorana plateau. Chastukhina, S.A., (1984, p.41-42, rus) 39-516
- Floristic saturation in the Alpine tundra communities of the Khibiny Mountains. Konstantinova, N.A., (1984, p.61-62, rus) 39-520
- Are lichens "extremists" among plants of cold deserts. Petit, P., (1983, p.33-46, fre) 39-721
- Isotope variations in flora from the Schirmacher Ponds region. Strauch, G., et al., (1984, p.54-59, rus) 39-1011
- Biogenic accumulation of nitrogen in plants of tundra zone (exemplified by the ecosystems of Bol'shezemel'skaya tundra). Grunina, L.K., et al., (1984, 32p., rus) 39-1396
- Investigations of the forestry research station of the Academy of Sciences of the USSR. Vomperski, S.E., ed., (1984, 173p., rus) 39-1412
- Studies of northern taiga forests at the Onega research station. Rysin, L.P., (1984, p.10-24, rus) 39-1413
- Lichen woodland in northern Canada. Rowe, J.S., (1984, p.225-237, eng) 39-2267

- Lower plants under extreme climatic conditions. Martin, J., ed., (1984, 224p., rus) 39-2367
- Problem of extremity in the ecology of cryptogamic plants. Martin, I.U.L., (1984, p.9-19, rus) 39-2368
- Lichens on bald areas of the Badzhai Range. Randlane, T.V., (1984, p.120-133, rus) 39-2370
- Terricolous lichens of southern tundras in Taymyr. Pün, T.Kh., (1984, p.134-172, rus) 39-2371
- Environmental impact on the growth of mosses. Vil'de, R.O., (1984, p.30-34, rus) 39-2642
- Biogeochemical adaptations of cryptogams to natural extreme environments. Martin, I.U.L., (1984, p.95-100, rus) 39-2651
- Adaptation of lichens to Arctic conditions. Pün, T.Kh., (1984, p.130-135, rus) 39-2655
- Acclimatization peculiarities of plants from snow fields and from dry gravelly mountain tundras of Chukchi Peninsula. Polozova, T.G., (1984, p.135-140, rus) 39-2656
- Taxonomic composition and main trends in the evolution of Arctic plants. Khokhrakov, A.P., (1984, p.188-192, rus) 39-2663
- Examination of some factors affecting the largest lichens on a substrate. Innes, J.L., (1985, p.99-106, eng) 39-2675
- New records of terricolous microlichens from Southeast Greenland. Daniels, F.J.A., et al., (1985, p.49-57, eng) 39-2724
- Ecologic role of forest lichens. Bakaeva, M.V., et al., (1985, p.25-30, rus) 39-3107
- Alpine-meadow soils of the northern Caucasus. Makarov, M.I., (1985, p.71-73, rus) 39-3306
- General situation of lichenometry research abroad. Chen, J., et al., (1984, p.85-93, chi) 39-3324
- Vegetation pattern and ecology of siliceous boulder snow beds on Svalbard. Elvebak, A., (1984, p.9-20, eng) 39-3373
- Prospects for the development of northern landscapes affected by human activities. Solov'eva, O.V., (1984, p.31-35, rus) 39-3809
- Light scattering
- Polarization of skylight. Bohren, C., (1984, p.261-265, eng) 39-563
- Brillouin scattering from H₂O: liquid, ice VI, and ice VII. Polian, A., et al., (1983, p.6409-6412, eng) 39-1063
- Short wavelength signals propagating through rain, snow and turbid media. Kazovsky, L.G., et al., (1983, p.706-710, eng) 39-1066
- Some ice crystals that made halos. Tape, W., (1983, p.1641-1645, eng) 39-1220
- Colors of snow, frozen waterfalls, and icebergs. Bohren, C.F., (1983, p.1646-1652, eng) 39-1221
- Polarized light scattering by hexagonal ice crystals: theory. Cai, Q., et al., (1982, p.3569-3580, eng) 39-1479
- Radiative properties of the Arctic aerosol. Patterson, E.M., et al., (1982, p.2967-2977, eng) 39-1661
- Validation and analysis of SNOW-ONE-A transmission data. Persky, M.J., et al., (1984, p.9-24, eng) 39-2945
- SMART measurements at SNOW-TWO. Crow, S.B., et al., (1984, p.53-72, eng) 39-2948
- Forward-scattering corrected extinction by nonspherical particles. Bohren, C.F., et al., (1984, p.261-271, eng) 39-2966
- Light transmission
- Light transmission in a lake covered with snow and ice. Adams, W.A., et al., (1984, p.65-71, eng) 39-540
- Light transmission through lake ice. Roulet, N.T., et al., (1984, p.67-74, eng) 39-681
- Winter ecology of small mammals. Merritt, J.F., ed., (1984, 380p., eng) 39-2929
- Light extinction under a changing snowcover. Marchand, P.J., (1984, p.33-37, eng) 39-2931
- Light conditions and plant growth under snow. Salisbury, F.B., (1984, p.39-50, eng) 39-2932
- Comparison of smoke and obscurant microscale physical characteristics in summer and winter environments. Farmer, W.M., et al., (1984, p.399-403, eng) 39-2978
- Light (visible radiation)
- Polarization of skylight. Bohren, C., (1984, p.261-265, eng) 39-563
- Ice fog as an electro-optical obscuring. Koh, G., (1985, 11p., eng) 39-3959
- Lightning
- Lightning protection in permafrost areas. Zarkhi, I.M., et al., (1983, p.42-45, 101, rus) 39-2380
- Lightweight concretes
- Spraying concrete lining on tunnel walls in freezing weather. Mishin, V.V., et al., (1984, p.25-27, rus) 39-160
- Shungite-cellular concretes for the North. IAsin, I.U.D., et al., (1984, p.15-16, rus) 39-792
- Aerated ash concretes for the Far North. Zlatinskaya, T.V., et al., (1984, p.11-12, rus) 39-825
- Liming
- Treatment of fuel peat by the addition of lime with a freeze-thaw cycle. Sharp, J.J., (1983, p.749-750, eng) 39-1122
- Limnology
- Isotope hydrology and hydrochemistry of Lake Unter-See. Hermichen, W.-D., et al., (1984, p.75-86, eng) 39-128

- Sediments of an ice-contact proglacial lake. Duck, R.W., et al., (1984, p.89-93, eng) 39-476
- Hydrochemistry of rivers and lakes in the Buryat ASSR. Oboshin, V.N., et al., (1984, 151p., rus) 39-482
- Limnology of Lake Koonanus, MT, the 1967-1972 study. Bonde, T.J.H., et al., (1982, 184p., eng) 39-1260
- Studies on the supraglacial lake located on the Shirase Glacier near the Oku-hyoga Rock. Nishio, F., et al., (1984, p.75-80, eng) 39-2750
- Chemical composition of periglacial lake waters in East Antarctica. Shmideberg, N.A., et al., (1985, p.107-127, rus) 39-2898
- Thickness of ice on perennially frozen lakes. McKay, C.P., et al., (1985, p.561-562, eng) 39-2928
- See also: Lakes
- Linings
- Spraying concrete lining on tunnel walls in freezing weather. Mishin, V.V., et al., (1984, p.25-27, rus) 39-160
- Temperature effects on tunnel linings. Sil'vestrov, S., et al., (1984, p.10-11, rus) 39-1562
- Construction of tunnels. Fedorov, G.A., (1984, p.13-15, rus) 39-1642
- Asphalt revetments for slope protection in the Arctic. Vallerger, B.A., et al., (1985, p.732-744, eng) 39-3218
- Liquefied gases
- Using liquid nitrogen in artificial freezing of rocks. Vial'tov, M.M., et al., (1984, p.21-22, rus) 39-823
- Theoretical bases of engineering geology. Physico-chemical bases. Sergeev, E.M., ed., (1985, 288p., rus) 39-3692
- Liquid cooling
- Liquid mixtures separation in a freezing-out process. Grado, L., et al., (1984, p.1141-1148, eng) 39-89
- Liquid phases
- Thermodynamic analysis of heat pipe operation. Vasil'ev, L.L., et al., (1982, p.313-325, eng) 39-2911
- Liquid solid interfaces
- Crystal-melt surface tension and grain boundary groove morphology. Voorthuis, P.W., et al., (1984, p.425-440, eng) 39-611
- Thermodynamic equilibrium of a crystalline sphere in a fluid. Mullins, W.W., (1984, p.1436-1442, eng) 39-654
- Heat capacity of water near solid surfaces. Vučić, V., et al., (1983, p.371-374, eng) 39-767
- Boundary-layer model of pattern formation in solidification. Ben-Jacob, E., et al., (1984, p.330-340, eng) 39-782
- Problems of hydrodynamics with free boundaries. Monakhov, V.N., ed., (1984, 169p., rus) 39-1118
- Structure of generalized solution of a univariate Stefan problem. Kaliev, I.A., et al., (1984, p.24-47, rus) 39-1119
- Complex freezing-melting interfaces in fluid flow. Epstein, M., et al., (1983, p.293-318, eng) 39-1648
- Thermal diffusivity of ice, mercury and aluminum at melting point. Lamvik, M., (1982, p.79-87, eng) 39-1666
- Analysis of heat transfer during melting from a vertical wall. Okada, M., (1984, p.2057-2066, eng) 39-1745
- Surface wave reflection from periodic inhomogeneities at a liquid-solid interface. Lapin, A.D., (1978, p.376-382, rus) 39-3880
- Scattering and reciprocal conversion of surface and bulk acoustic waves. Lapin, A.D., (1983, p.123-134, eng) 39-3881
- Density functional theory of freezing: results and high-density artifacts. Haymet, A.D.J., (1983, p.887-889, eng) 39-3898
- Liquids
- Electron microscopy and molecular theory of microstructured fluids. Falls, A.H., (1982, 356p., eng) 39-1405
- Dynamics of supercooled liquids and the glass transition. Bengtzelius, U., et al., (1984, p.5915-5934, eng) 39-2048
- See also: Frozen liquids
- Lithology
- Cryolithological peculiarities of bedrocks in the northeastern USSR. Kolesnikov, S.F., (1984, p.92-95, rus) 39-42
- Drilling methods and bits for Yakutia. Grigor'ev, A.N., et al., (1983, p.118-129, rus) 39-1160
- Morpholithosystems and landscape structure (exemplified by the Omolon River basin). Egorova, G.N., (1983, 164p., rus) 39-3092
- Litter
- Regional characteristics of soil formation in monsoon areas after forest fires. Sapozhnikov, A.P., (1982, p.117-124, rus) 39-31
- Microflora of litter in northern forests. Makarova, A.P., et al., (1984, p.94-97, rus) 39-796
- Evolution of taiga soils. Aref'eva, Z.N., (1977, p.33-44, rus) 39-883
- Microbe associations in forest biocenoses. Gukasian, A.B., ed., (1983, 122p., rus) 39-956
- Microflora of taiga podzols. Vashniakova, Z.V., et al., (1983, p.46-56, rus) 39-958
- Peculiarities of *Lipomyces* distribution in the mountain-taiga soils of Tuva. Abramenko, N.I., (1983, p.69-73, rus) 39-999

- Microflora and biologic activity in the litter of pine forests of the Angara River area. Bugakova, T.M., et al. (1983, p.101-115, rus) 39-960
- Exchange processes in biogeocoenoses. Reports presented at the second annual meeting commemorating academician V.N. Sukachev, Moscow, Oct. 19, 1983. Giliarov, M.S., ed. (1984, 85p., rus) 39-1394
- Mapping the distribution of combustible forest materials. Volokitina, A.V., et al. (1984, p.54-56, rus) 39-1489
- Ecologic role of forest lichens. Bakaeva, M.V., et al. (1985, p.25-30, rus) 39-3107
- Role of microbes and animals in litter decomposition in cold regions. Naplekova, N.N., et al. (1985, p.70-85, rus) 39-3630
- Dynamic processes in forests of the Far East. Mironov, I.U., ed. (1984, 168p., rus) 39-3798
- Dynamics and composition of fall-off in mountain forest biogeocoenoses. Selivanova, G.A., (1984, p.119-129, rus) 39-3804
- Forest fires and revegetation in Sikhote Alin Sapozhnikov, A.P., et al. (1984, p.139-146, rus) 39-3805
- Loading**
- Loading shovels for frozen ground. Belikov, I.U., et al. (1984, p.9-11, rus) 39-854
- Construction equipment used in cold regions. Belikov, I.U., et al. (1985, p.36-37, rus) 39-2867
- Tanker mooring/loading systems for northern offshore arctic regions. Manoudakis, C.P., et al. (1985, p.323-336, eng) 39-3184
- Dec-water platform solutions for the Navarin Basin. Wang, F.S., et al. (1985, p.1018-1026, eng) 39-3240
- See also: Unloading
- Loams (forces)**
- Frozen soil characteristics that affect land mine functioning. Richmond, P.W., (1983, 18p., eng) 39-96
- Experience with shear frames. Perla, R., et al. (1983, p.485-491, eng) 39-208
- Experiments in the machining of ice at negative rake angles. Lieu, D.K., et al. (1984, p.77-81, eng) 39-245
- Investigation of the failure envelope of granular/discontinuous-columnar sea ice. Timco, G.W., et al. (1984, p.17-27, eng) 39-328
- Single integral representations in ice mechanics. Williams, H.T., (1984, p.89-95, eng) 39-334
- Study of the creep effect upon the response of a pressure sensor embedded in an ice sheet. Hamza, H., et al. (1984, p.97-107, eng) 39-335
- Internal wave forces on ice keels in the marginal ice zone: some preliminary laboratory results. Muench, R.D., et al. (1984, p.83-89, eng) 39-373
- Measurement of shear strength of granular/discontinuous-columnar sea ice. Frederking, R.M.W., et al. (1984, p.215-220, eng) 39-398
- Analysis of the viscoelastic fracture toughness and crack growth in ice. Hamza, H., et al. (1984, p.249-258, eng) 39-401
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- Static determination of Young's modulus in sea ice. Richter-Menge, J.A., (1984, p.283-286, eng) 39-406
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- Steels and welds under loadings at low temperature. Urabe, N., et al. (1984, p.473-479, eng) 39-1050
- Rational approach to ship strength problems. Varsta, P., (1984, p.9-30, eng) 39-1096
- Ship strength analysis and strength criteria. Kujala, P., et al. (1984, p.123-147, eng) 39-1097
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- Investigation of seasonal load restrictions in Washington State. Mahoney, J.P., et al. (1984, 35p., eng) 39-1321
- Effect of loading on the unfrozen water content of silt. Oliphant, J.L., et al. (1983, 17p., eng) 39-1370
- Computer simulation of ice breaking by explosion and impact. Mansour, A., (1982, 335p., eng) 39-1403
- Design and construction of deep foundations in permafrost: North American practice. Ladanyi, B., (1984, p.43-50, eng) 39-2125
- Construction of deep pile foundations in permafrost in the USSR—a summary. Sadovskii, A.V., (1984, p.186-187, eng) 39-2153
- Laws governing the compaction of thawing soils taking dynamic processes into effect. Karlov, V.D., et al. (1984, p.231-235, eng) 39-2163
- Investigation of the deformation of clayey soils resulting from frost heaving and thawing in foundations due to loading. Malyshev, M.A., et al. (1984, p.259-263, eng) 39-2168
- New technique for determining the static fatigue limit of frozen ground. Vrachey, V.V., et al. (1984, p.306-310, eng) 39-2178
- Mechanics of fracture applied to ice. Miller, K.J., (1984, p.135-146, eng) 39-2307
- Ice plug anchor—development of a new anchor for use in snow and ice. Maidl, B., et al. (1985, p.442-450, eng) 39-3384
- Overview of marine icing research. Lozowski, E.P., et al. (1985, p.6-15, eng) 39-2389
- Deflectometer for prediction of damage on highways during spring thaw. Stubstad, R.N., et al. (1983, p.46-51, eng) 39-2477
- Structural engineering in Arctic regions. Jumpanen, P., (1984, p.35-48, eng) 39-2688
- Recent observations on the deformation of ice and ice-rich permafrost. Morgenstern, N.R., (1985, p.133-153, eng) 39-2698
- Effects of external loadings on large-diameter buried pipelines. Thomas, H.P., et al. (1985, p.754-762, eng) 39-3220
- Soil-pipe interaction during ground movement. Selvadurai, A.P.S., (1985, p.763-773, eng) 39-3221
- Concrete space frame applied to an Arctic M.O.D.U. Richard, P., et al. (1985, p.1157-1165, eng) 39-3250
- Concrete shell panels in simulating bergy-bit impact. Arockiasamy, M., et al. (1984, p.127-138, eng) 39-3476
- Small scale tests of sea bottom ice scouring. Abdelnour, R., et al. (1984, p.267-279, eng) 39-3487
- Contribution to the report of the working group on ice testing. Ladanyi, B., (1984, p.43-53, eng) 39-3495
- Attenuating creep of piles in frozen soils. Parameswaran, V.R., (1985, p.16-28, eng) 39-3580
- Creep of a strip footing on ice-rich permafrost. Sayles, F.H., (1985, p.29-51, eng) 39-3581
- See also: Dynamic loads; Ice loads; Ice pressure; Snow loads; Soil pressure; Static loads; Water pressure; Wind pressure
- Loams**
- Soil formation on light rocks in tundra and forest tundra. Liverovskia, I.T., (1984, p.85-91, rus) 39-393
- Inclined drainage of earth dams in the North. Moshkova, M.A., et al. (1980, p.52-55, rus) 39-753
- Cryogenic microstructure of surface loams on the Anabar-Olenekskoye plateau. Bazylev, V.A., et al. (1984, p.39-46, rus) 39-837
- Failures of buildings built on water-saturated clays. Stroganov, A.S., (1984, p.6-11, eng) 39-1074
- Soil formation on taiga loams. Gorbachev, V.N., et al. (1984, p.12-18, eng) 39-1080
- Micromorphology of cryogenic soils. Konishchev, V.N., et al. (1977, p.119-125, rus) 39-1177
- Compressibility of cohesive soils. Lysenko, M.P., (1984, p.9-14, rus) 39-1306
- Electromagnetic technique of locating water-bearing zones in permafrost. Kolchin, G.I., et al. (1984, p.77-80, rus) 39-1357
- Thermal regime of loams in cores of dams in freezing weather. Kochubievskaya, R.L., et al. (1984, p.36-38, rus) 39-1591
- Effects of freeze thaw cycles on structure of loamy sediments. Pissart, A., (1984, p.553-565, eng) 39-2036
- Structure of loamy sediments due to freeze thaw cycles. Van Vliet-Lanoë, B., et al. (1984, p.553-565, eng) 39-2492
- Freeze-thaw and consolidation effects on strength of a wet silt loam. Formanek, G.E., et al. (1984, p.1749-1752, eng) 39-2672
- Irrigation of cryogenic chernozem. Poriadin, V.M., (1984, p.65-71, rus) 39-3026
- Forest-growing properties of soils on the Yenisey Range. Gorbachev, V.N., et al. (1985, p.3-9, rus) 39-3294
- Engineering and geological causes of paluded towns in southern West Siberia. Chernousov, S.I., (1985, p.13-19, rus) 39-3610
- Pile foundations on paluded loess. Khrapov, V.S., (1985, p.76-79, rus) 39-3622
- Jet technology for soil stabilization. Khasin, M.F., et al. (1984, p.196-199, eng) 39-3812
- Experimental rheology of clay soils. Meschian, S.R., (1985, 342p., rus) 39-3908
- Locks (waterways)**
- Great Lakes limited season extension operation of Sault Ste. Marie Locks, Michigan, U.S.A. Beurket, R.T., et al. (1984, p.267-276, eng) 39-1809
- Loess**
- Quaternary period in Manchuria. Shikama, T., (1967, p.298-336, eng) 39-141
- Foundations built on loess. Anan'ev, V.P., (1984, p.3-8, rus) 39-582
- Difficulties in construction on sagging soils. Goldstein, M.N., (1984, p.9-10, rus) 39-583
- Some peculiarities of loess soil wetting. Larionov, A.K., et al. (1984, p.11-23, rus) 39-584
- Rate of lake shore erosion in permafrost areas. Shulgin, M.V., (1984, p.135-136, rus) 39-917
- Cryogenic processes in loess formation in Central Asia. Minervina, A.V., (1984, p.133-140, eng) 39-1060
- Periglacial landscapes and loess accumulation in the Late Pleistocene Arctic and Subarctic. Tomirdiario, S.V., (1984, p.141-145, eng) 39-1061
- Soil formation on taiga loams. Gorbachev, V.N., et al. (1984, p.12-18, eng) 39-1080
- Bearing capacity of pile foundations in sagging loess soils. Buslov, A.S., et al. (1983, 105p., rus) 39-1240
- Compressibility of cohesive soils. Lysenko, M.P., (1984, p.9-14, rus) 39-1306
- Comparison of actual loess deformation to forecast values. Dikovskii, A.L., (1984, p.12-18, rus) 39-1325
- Engineering geology, Section S.17. Proceedings. Vol 17. (1984, 144p., rus) 39-1437
- Quantitative estimation of loess sagging. Minkov, M., (1984, p.58-65, rus) 39-1438
- New data on the origin of the Edoma complex. Tomirdiario, S.V., et al. (1984, p.1446-1449, rus) 39-1636
- Thermophysical properties of loess. Komissarova, N.N., et al. (1985, p.52-63, rus) 39-1976
- Wetting-and-blasting method of loess compaction. Takhirov, I.G., et al. (1985, p.63-66, rus) 39-1997
- Pile foundations of buildings and structures on sagging ground. Grigorian, A.A., (1984, 162p., rus) 39-2239
- Engineering and geological characteristics of clay soils in Nechernozem'e. Osipov, I.U.B., et al. (1985, p.79-89, rus) 39-2881
- Effects of salt on unfrozen water content in silt, Lanzhou, China. Tice, A.R., et al. (1984, 18p., eng) 39-2916
- Chemical stabilization of loess soils. Sokolovich, V.E., et al. (1985, p.149-154, eng) 39-3111
- Experimental studies of changes in loess caused by exogenic processes induced by construction. Tofaniuk, F.S., (1985, p.4-12, rus) 39-3609
- Seasonal variations in water content of loess on watersheds. Shevchenko, A.A., et al. (1985, p.49-53, rus) 39-3618
- Construction in paluded loess areas. Gospodinov, D.G., et al. (1985, p.54-60, rus) 39-3619
- Sources and factors of paludification of upbuilt areas in the town of Novosibirsk. Gospodinov, D.G., (1985, p.70-76, rus) 39-3621
- Pile foundations on paluded loess. Khrapov, V.S., (1985, p.76-79, rus) 39-3622
- Paludification of the city of Barnaul and its effect on stability of engineering structures. Arefev, V.S., et al. (1985, p.79-81, rus) 39-3623
- Protection of grain elevators from industrially polluted ground water. Potlov, G.G., et al. (1985, p.82-91, rus) 39-3624
- Classification of soils according to the difficulty of their removal by single-bucket loaders. Maslov, V.A., et al. (1984, p.8-10, rus) 39-3875
- Experimental rheology of clay soils. Meschian, S.R., (1985, 342p., rus) 39-3908
- Numerical prediction of loess sagging under natural loads. Varinichenko, G.M., (1985, p.39-44, rus) 39-3910
- Engineering and geological characteristics of loess related to post-settlement compaction. Slvaetskii, E.N., (1985, p.45-54, rus) 39-3911
- Logistics**
- United States polar icebreaker requirements study. (1984, c200 leaves, eng) 39-529
- McGill Axel Heiberg Station with an inventory as of June 1983. Adams, P., (1984, 7p. + append., eng) 39-953
- Antarktis II/4 Expedition, 1983/84. Kohnen, H., ed. (1984, p.1-185, ger) 39-1599
- Operation of Polar I and Polar II in Antarctica, 1983/84. Kohnen, H., (1984, p.144-148, ger) 39-1611
- Geological investigations in New Schwabenland. Spaeth, G., et al. (1984, p.174-185, ger) 39-1615
- Rebuilding Australia's antarctic stations. (1981, 15p., eng) 39-2192
- Proceedings of the 3rd Symposium on Antarctic Logistics, 1982. (1983, 634p. in 3 vols., eng) 39-2591
- Chilean antarctic deployment of automatic weather stations. Araya F., M., et al. (1983, p.39-68, eng) 39-2594
- Australian experience with tractors and tracked carriers. Holmes, I.E.B., (1983, p.78-85, eng) 39-2596
- SAE marine transport, 1971-1981. Kozlovskii, A.M., (1983, p.94-98, eng) 39-2599
- RV Polarstern: Polar research and supply vessel of the F.R.G. Bungenstock, H., et al. (1983, p.115-118, eng) 39-2602
- Japanese icebreaker Shirase. Kusunoki, K., (1983, p.119-126, eng) 39-2603
- South African research/resupply vessel S.A. Agulhas. Leith, B., (1983, p.137-139, eng) 39-2607
- C130 and DHC6 air drops in Antarctica. Carvajal, E.M., (1983, p.142-143, eng) 39-2609
- Motorized toboggans. Clark, N., (1983, p.200-205, eng) 39-2613
- Logistics for structures scaled to the Arctic. Ganguly, P., et al. (1985, p.285-293, eng) 39-3181
- Organization of mobile supply units for northern construction. Shlamin, V.A., (1985, p.21-23, rus) 39-3309
- In the snows of polar regions. Vasil'ev, V., (1984, p.53-56, rus) 39-3730
- Allowing for peculiarities of the North. Bobkov, M., (1984, p.43-46, rus) 39-3732
- Antarctic field manual (1985, 80p., eng) 39-4003
- Antarctic operations manual (1985, 80p., eng) 39-4004
- Long range forecasting**
- Results of geological-geophysical studies of eastern Siberia in 1976-1980. Pinneker, E.V., ed. (1982, 136p., rus) 39-32
- Formation and geological activity of ground waters in eastern Siberia. Pinneker, E.V., et al. (1982, p.105-112, rus) 39-35

- Long range forecasting (cont.)**
 Long range forecasts of ice conditions in non-arctic seas. Karakash, A.I., et al., (1984, p.81-90, rus) 39-905
 Hydrology of Lake Baykal and other water bodies. Verbov, V.I., ed., (1984, 167p., rus) 39-912
 Long range forecasting of ice breakup on Lake Baykal. Kuzmova, L.N., (1984, p.84-88, rus) 39-913
 Ice conditions in the Yenisey River estuary. Adamovich, N.M., (1984, p.121-128, rus) 39-2022
 Physical phenomena and properties of oceans. Plakhonik, A.F., (1984, 232p., rus) 39-2055
- Low temperature research**
 JSE Brabant Island 1983-85. (1984, 30p., eng) 39-286
 Nonmetallic materials at low temperature. Hartwig, G., ed., (1982, 399p., eng) 39-529
 Proton transfer in irradiated ice at 90K. Devlin, J.P., et al., (1984, p.3250-3255, eng) 39-820
 Polar ice sheets: developments since Wegener. Robin, G. de Q., (1981, p.648-663, eng) 39-1532
 British Antarctic Survey annual report, 1983-1984. (1984, 104p., eng) 39-1962
 Indian and Brazilian activities in the Antarctic. Kusunoki, K., (1984, p.49-51, jpn) 39-2275
 SPRI 58th annual report. (1985, p.561-576, eng) 39-3869
- Low temperature tests**
 Polymers in space research. (1970, 457p. (Pertinent p.181-357), eng) 39-140
 Development of a uniaxial ice tensile specimen for low temperature testing. Cuda, V., Jr., et al., (1984, p.47-52, eng) 39-331
 Low-temperature effects on flow in sand-bed streams. Hong, R., et al., (1984, p.109-125, eng) 39-612
 Arctic concrete technology. Kivets, L., et al., (1984, 149p., fin) 39-1023
 Thin sectioning and surface replication of ice at low temperature. Daley, M.A., et al., (1984, p.248-250, eng) 39-1685
 Evaluation of rock anchors for use in Antarctica. Taylor, P.T., et al., (1980, c65 leaves, eng) 39-2112
 Physics of asphalt pavements at low temperatures. Lempe, U., et al., (1985, p.15-19, ger) 39-3055
 Selection of steel qualities for low temperature use. Charleux, J., et al., (1984, p.184-193, eng) 39-3100
 Asphalt revetments for slope protection in the Arctic. Valleria, B.A., et al., (1985, p.732-744, eng) 39-3218
- Lubricants**
 Operation and maintenance of open-pit excavators under conditions of the North. Makhno, D.E., (1984, 133p., rus) 39-645
 Storage of automobiles in parking lots at low temperatures. Kramarenko, G.V., et al., (1984, 136p., rus) 39-1237
 Winter maintenance of signaling, interlocking and blocking devices in winter. Shul'man, M.A., et al., (1984, 72p., rus) 39-1239
 Bearing capacity of pile foundations in sagging loess soils. Buslov, A.S., et al., (1983, 105p., rus) 39-1240
 Lubrication in severe weather. (1984, p.34, eng) 39-2483
- Luminescence**
 Irradiation of amorphous and polycrystalline ice. Freeman, C.G., et al., (1984, p.5252-5254, eng) 39-2044
 Use of radioluminescent lights for Alaskan runway lighting. Jensen, G., et al., (1984, 73p. + appends., eng) 39-2899
- Macquarie Island**
 Macquarie Island: a wind-molded natural landscape in the Subantarctic. Löffler, E., (1984, p.267-286, eng) 39-4056
- Magnetic anomalies**
 Aeromagnetic measurements of the Filchner Ice Shelf and near Georg von Neumayer Station as part of the 1983/84 Filchner Ice Shelf Project. Kahnt, W., et al., (1985, p.60-67, ger) 39-2807
- Magnetic resonance**
 Electron spin resonance study of irradiated D2O ice. Hase, H., et al., (1983, p.3216-3218, eng) 39-1582
 See also: Nuclear magnetic resonance
- Magnetic surveys**
 Marine geophysical work during Antarctic II/4. Miller, H., et al., (1984, p.116-128, eng) 39-1608
- Magnetism**
 See: Geomagnetism
- Maintenance**
 Australian experience with tractors and tracked carriers. Holmes, I.E.B., (1983, p.78-85, eng) 39-2596
 See also: Road maintenance; Subgrade maintenance; Winter maintenance
- Manchuria**
 Quaternary period in Manchuria. Shikama, T., (1967, p.298-336, eng) 39-141
- Mammals**
 Handbook for sea ice analysis and forecasting. Stringer, W.J., et al., (1984, 324p., eng) 39-1047
 Power plant installation manual for Australian antarctic stations. (1981, n.p., eng) 39-2190
 Manual for Australian antarctic utilities, bridges, and supports. (1982, var. p., eng) 39-2230
 Antarctic field manual. (1985, 80p., eng) 39-4003
- Antarctic operations manual. (1985, 80p., eng) 39-4004
 User's guide for the BIBSORT program for the IBM-PC personal computer. Kyriakakis, T., et al., (1985, 61p., eng) 39-4055
- Mapping**
 Soils of the islands and maritime regions of the Pacific Ocean: Proceedings of the 14th Scientific Congress on the Pacific Ocean, Khabarovsk, August, 1979. Ivlev, A.M., ed., (1982, 174p., rus) 39-29
 Pedologic and geographic regionalization of the Far North-East. Ignatenko, N.V., et al., (1982, p.44-96, rus) 39-30
 Snow cover distribution in river basins. Kopyl, I.V., et al., (1984, p.70-78, rus) 39-38
 Orthophotographic map of Vernagtferner, Austria. Rentsch, H., (1983, p.85-91, ger) 39-50
 Using space imagery in compiling landscape maps. Riabchikova, V.I., (1984, p.39-45, rus) 39-159
 Principles of distinguishing soil provinces in geographic regionalization. Urusevskaya, I.S., (1984, p.3-10, rus) 39-442
 Summaries of papers presented at the 5th convention of the delegates of the All-Union Botanical Society. Lavrenko, E.M., ed., (1973, 403p., rus) 39-446
 Present state of floristic studies in the Soviet Arctic. Tolmachev, A.I., et al., (1973, p.162-164, rus) 39-448
 Hydrogeological studies of eastern USSR and some Asiatic countries. Pinneker, E.V., ed., (1983, 174p., rus) 39-466
 Hydrogeological mapping of cryogenic processes. Kononova, R.S., et al., (1983, p.130-136, rus) 39-470
 Snow resources of the Pamir-Alay Mountains. Getker, M.I., (1984, p.27-37, rus) 39-633
 Distribution and regime of snow avalanches in western Tien Shan. Sezin, V.M., et al., (1984, p.45-59, rus) 39-635
 Morphological mapping in high latitude mountains. Peulvast, J.P., (1983, p.67-81, fre) 39-723
 Geomorphologic regionalization of northern landscapes from satellite photographs. Musatov, E.E., (1984, p.67-83, rus) 39-1109
 Environmental mapping of the Arctic National Wildlife Refuge, Alaska. Walker, D.A., et al., (1982, 59p. + 2 maps, eng) 39-1274
 Aerial, satellite and cartographic methods of studying environments. Summaries of reports presented at the 4th section of the 7th meeting of the Geographic Society of the USSR. Kondrat'ev, K.I.A., ed., (1980, 126p., rus) 39-1327
 Using satellite information in hydrologic studies of mountainous countries. Ivanian, G.A., et al., (1980, p.8, rus) 39-1328
 Mapping subarctic regions from satellite photographs. Astakhova, V.A., et al., (1980, p.20-22, rus) 39-1330
 Satellite photography of western and central Siberia. Astakhov, V.I., et al., (1980, p.24-25, rus) 39-1331
 Studying paludal areas from aerial photographs. Kirishchik, V.N., et al., (1980, p.38-39, rus) 39-1334
 Using aerial and satellite information in geological mapping. Deleur, M.S., et al., (1980, p.39-41, rus) 39-1335
 Glacial mudflows in the Himalayas. Sen'kovskaya, N.F., (1984, p.81-87, rus) 39-1388
 Manual for Military Topography, USSR. Ministry of Defense, Moscow. Govorukhin, A.M., et al., (1980, 352p., rus) 39-1390
 Cryogenic structure of Quaternary deposits in the Lena-Aldan basin. Ivanov, M.S., (1984, 125p., rus) 39-1397
 Soils and geological conditions of the Nechernozem'e. Sergeev, E.M., ed., (1984, 608p., rus) 39-1424
 Permafrost and hydrogeological conditions of eastern Siberia. Shepelev, V.V., et al., (1984, 191p., rus) 39-1450
 All-Union Conference on aerial and space methods of studying forests, Krasnoyarsk, July 7-9, 1984. Summaries of reports. (1984, 186p., rus) 39-1480
 Mapping taiga forests in the Angara-Yenisey region. Kalashnikov, E.N., et al., (1984, p.31-33, rus) 39-1483
 Thematic mapping of forests from satellite photographs. Stoliarov, D.P., et al., (1984, p.33-35, rus) 39-1484
 Mapping taiga soils from satellite photographs. Korsunov, V.M., et al., (1984, p.47-49, rus) 39-1488
 Mapping the distribution of combustible forest materials. Volokitina, A.V., et al., (1984, p.54-56, rus) 39-1489
 Geobotanical mapping of taiga. Vasil'chuk, A.I., (1984, p.56-58, rus) 39-1490
 Compiling geobotanical map of northern taiga. Paiankaia-Gvozdeva, I.I., (1984, p.59-60, rus) 39-1491
- Geographic differentiation of snow cover on the Badkhal'skiy Range. Martynov, A.M., (1977, p.156-170, rus) 39-1903
 Geocryological conditions of the Baykal-Stanovoy Range part of the BAM zone. An, V.V., et al., (1984, 151p., rus) 39-1947
 New map "Nördliches Bockkarees 1979", 1:100,000. Slupetzky, H., et al., (1983, p.163-171, eng) 39-1966
 Combined satellite surveys of Siberia. Ian'shin, A.L., ed., (1984, 96p., rus) 39-1972
 Orthophoto technique in high mountains. Pillewizer, W., (1982, p.358-367, ger) 39-2471
- Vegetation of western Siberia and its mapping. Belov, A.V., ed., (1984, 120p., rus) 39-2573
 Geobotanical and cartographic studies in western Siberia. Belov, A.V., et al., (1984, p.3-6, rus) 39-2574
 Zonal subdivision of tundra vegetation in the West Siberian Plain. Mel'tser, L.I., (1984, p.7-19, rus) 39-2575
 Geobotanical analysis of taiga for large-scale mapping. Kobeleva, N.V., (1984, p.106-119, rus) 39-2579
 Glaciation of South America. Glebova, L.N., et al., (1984, p.29-43, rus) 39-2766
 Combined mapping technique for snow distribution in mountains. Ivanovskaya, T.E., (1984, p.44-56, rus) 39-2767
 Ice and snow maps for continents. Aliushinskaya, N.M., et al., (1984, p.63-68, rus) 39-2769
 Climatic maps of mountain glaciers of the world. Davidovich, N.V., (1984, p.68-80, rus) 39-2770
 Problems of engineering glaciology. Osokin, N.I., (1984, p.215-219, rus) 39-2794
 Subdividing the BAM zone vegetation according to geobotanical maps. Kobeleva, N.V., et al., (1985, p.120-125, rus) 39-3015
 Use of satellite information in geocryological studies. Shats, M.M., et al., (1985, p.174-178, rus) 39-3018
 Cryogenic soils of Yakutia and their utilization. Elovskaya, L.G., ed., (1984, 125p., rus) 39-3020
 Economic development of lands under permafrost conditions. Gavril'ev, P.P., (1984, p.20-34, rus) 39-3022
 Grouping Yakutian lands for agricultural development. Elovskaya, L.G., et al., (1984, p.34-48, rus) 39-3023
 Landscapes of western Siberia: mapping, evaluation, forecasts of development. Bulatov, V.I., ed., (1984, 115p., rus) 39-3078
 Aley River basin: landscape mapping for practical purposes. Bulatov, V.I., et al., (1984, p.3-33, rus) 39-3079
 Medium-scale landscape map of the Yamal Peninsula. Kozin, V.V., et al., (1984, p.34-40, rus) 39-3080
 Landscape-indication technique of surveying for land reclamation. Vinokurov, I.U.I., et al., (1984, p.41-76, rus) 39-3081
 Surveys, regionalization and mapping of permafrost areas. Bulatov, V.I., (1984, p.77-97, rus) 39-3082
 Environmental impact of partial river diversion in permafrost areas. Mikheev, V.S., (1984, p.98-113, rus) 39-3083
 Compilation of maps of water erosion of relief-forming rocks for analyzing and forecasting gully erosion in non-chernozem areas. Liubimov, B.P., (1985, p.62-70, rus) 39-3105
 Compiling geocryological charts of solifluction areas. Garagulia, L.S., et al., (1985, p.67-82, rus) 39-3292
 Antarctic ice. Radok, U., (1985, p.98-105, eng) 39-3642
 Satellite methods of ground-water prospecting. Sadov, A.V., et al., (1985, 144p., rus) 39-3686
 Mapping exogenic processes from satellite pictures. Abalakov, A.D., (1985, p.59-67, rus) 39-3824
 Regionalization of western Siberia according to peculiarities of peat deposits. Kashperuk, P.I., et al., (1985, p.88-94, rus) 39-3913
 Geocryological conditions of the Altai-Sayan mountain region. Shats, M.M., (1978, 103p., rus) 39-3982
 See also: Soil mapping
- Maps**
 Mean position of the snow cover boundaries in the Northern Hemisphere. Budoviy, V.D., et al., (1983, p.88-90, eng) 39-587
 Permafrost distribution map for earth dam construction. Svateev, I.U.I., (1984, p.30-32, rus) 39-1588
 Dark conifer forests of the West Siberian Plain. Il'ina, I.S., (1984, p.19-50, rus) 39-2576
 Compilation of maps of regional evaluation of man-induced thermal settlement of rocks. Shamanova, I.I., (1985, p.72-78, rus) 39-2880
 Sea ice of the southern ocean and navigation conditions. Romanov, A.A., (1984, 88p. + charts, rus) 39-3057
 Historic cartographic evidence for Holocene changes in the antarctic ice cover. Wehaupt, J.G., (1984, p.493-501, eng) 39-3634
 Statistical synoptic method of forecasting level oscillations in the southeastern Laptev Sea. Vanda, I.U.A., (1984, p.25-32, eng) 39-3647
 See also: Charts; Geological maps; Meteorological charts; Topographic maps
- Marine biology**
 Diatoms from the ice edge of the Bering Sea. Van Baalen, C., et al., (1983, p.1019-1023, eng) 39-1644
 Marine phytoplankton and sea ice microalgae. Arctic Canada. Hsiao, S.I.C., (1983, p.225-31, eng) 39-1742
 Phytoplankton abundance, chlorophyll a, and primary productivity in the western Beaufort Sea. Horner, R., (1984, p.295-310, eng) 39-1881
 Annual carbon budget for an arctic kelp community. Dunton, K.H., (1984, p.311-325, eng) 39-1882
 Bacterial populations of the Beaufort Sea. Atlas, R.M., et al., (1984, p.327-345, eng) 39-1883
 Indian and Brazilian activities in the Antarctic. Kusunoki, K., (1984, p.49-51, jpn) 39-2275

- Plankton in the ice of the Ross Sea. Smith, W.O., et al. (1985, p.163-166, eng) 39-3140
- Marine biology and stress effects in polar regions. Gray, J.S., ed. (1983, 639p., eng) 39-3153
- Model of phytoplankton in the marginal sea-ice zone of the Barents Sea. Slagstad, D., (1983, p.35-48, eng) 39-3154
- Sea ice algal communities in the Weddell Sea. Garrison, D.L., et al. (1983, p.103-122, eng) 39-3156
- Distributional patterns of fishes in an Alaskan Arctic lagoon. Craig, P.C., et al. (1985, p.9-18, eng) 39-3555
- Marine deposits**
- Seabed processes on the NE Grand Banks, Newfoundland. Barrie, J.V., et al. (1984, p.209-227, eng) 39-502
- Sediment characteristics of the lagoons of the Alaskan Beaufort Sea coast and evolution of Simpson Lagoon. Naidu, A.S., et al. (1984, p.275-292, eng) 39-1880
- Permafrost beneath the Arctic seas. Zhigarev, L.A., (1984, p.311-314, eng) 39-2179
- Gas hydrates, prevention of their formation and their utilization. Makogon, I.U.F., (1985, 232p., rus) 39-2878
- Estimating the amount of shore deposits removed by ice rafting. Archikov, E.I., et al. (1984, p.74-75, rus) 39-3061
- Glacial and non-glacial episodes according to marine core, Frobenier Bay. Dowdeswell, J.A., et al. (1985, p.119-132, eng) 39-3370
- Landsat data for sediment dispersal in the Beaufort Sea. Perrott, T., et al. (1984, p.283-291, eng) 39-3444
- See also: Sediments
- Marine geology**
- Geotechnical investigations in the southern Beaufort Sea—Spring 1984. Kurfurst, P.J., comp. (1984, 96p., eng) 39-479
- Seabed processes on the NE Grand Banks, Newfoundland. Barrie, J.V., et al. (1984, p.209-227, eng) 39-502
- Geotechnical issues affecting offshore development: an overview. Watt, B., (1984, p.17-21, eng) 39-573
- Combined use of geological and geophysical data, bathymetry, and satellite photographs in morphological-structural analyses of the western Arctic shelf. Zarkhiz, V.S., et al. (1984, p.84-93, rus) 39-1110
- Marine geophysical work during Antarctic II/4. Miller, H., et al. (1984, p.116-128, eng) 39-1608
- Marine geology and bottom profiling of the Weddell Sea. Haase, G., (1984, p.129-136, eng) 39-1609
- Offshore structures in the Barents Sea. (1984, p.17-26, eng) 39-2874
- Offshore arctic geotechnical engineering. Corwin, R.F., (1985, p.137-143, eng) 39-3167
- Engineering in the Beaufort, Chukchi and Bering Seas. Dobson, B.M., et al. (1985, p.818-819, eng) 39-3226
- Modern and ancient glacial-marine deposits. Vanney, J.-R., et al. (1986, p.9-50, eng) 39-3274
- Inner shelf of the Chukchi Sea, Alaska, summer, 1982. Reiss, T.E., et al. (1984, 3p. + 9 figs., eng) 39-3390
- Marine meteorology**
- Beaufort Sea Meteorological and Oceanographic Program (BEAUMOP), 1978. (1979, 23p. + appends., eng) 39-388
- Marine transportation**
- Arctic hydrocarbon transportation systems in the 21st century. Lai an, G.A., et al. (1984, p.45-53, eng) 39-577
- Canadian Arctic marine technology R&D program: a review. Glen, I.F., (1984, p.242-255, eng) 39-811
- United States polar icebreaker requirements study. (1984, c200 leaves, eng) 39-929
- United States Arctic interests: the 1980s and 1990s. Westermeyer, W.E., ed. (1984, 369p., eng) 39-1012
- Transportation of Arctic energy resources. Westermeyer, W.E., (1984, p.105-133, eng) 39-1013
- Submarine tankers proposed for Arctic LNG transport. Robb, D., (1982, p.23-25, eng) 39-1474
- Nuclear-powered lighter carrier for the Arctic. Vorob'ev, V., et al. (1983, p.18-23, eng) 39-1574
- Development of new structures combined with use of rubble fields. Potter, R.E., (1984, 18p., eng) 39-1860
- Architectural and structural design of submarine transport vessels. Evdokimov, G.P., (1983, p.110-118, rus) 39-2205
- Utilization of heat on diesel-electric icebreakers. Chernen'kii, V.A., (1983, p.27-31, rus) 39-2206
- Some aspects of ice engineering in Japan. Kitagawa, H., et al. (1985, p.271-280, eng) 39-2424
- SAE marine transport, 1971-1981. Kozlovskii, A.M., (1983, p.94-98, eng) 39-2599
- Arctic shipping. (1984, p.37-46, eng) 39-2876
- Arctic Pilot Project. Sinclair, G.W., (1984, p.10-14, eng) 39-2922
- Logistics for structures scaled to the Arctic. Ganguly, P., et al. (1985, p.283-293, eng) 39-3181
- Global and Soviet Arctic policy concerns for the year 2000. Armstrong, T., (1985, p.31-43, eng) 39-3327
- Future developments in the Soviet Arctic marine transportation system. Brigham, L.W., (1985, p.207-213, eng) 39-3340
- Submarines in perspective. Jacobsen, L., (1985, p.215-217, eng) 39-3341
- Hoverbarge in the Arctic. Ramadan, H.D., (1984, p.83-85, eng) 39-3368
- Development of a submarine freighter. Chappuis, J., et al. (1985, p.329-351, eng) 39-3680
- Designs created to support Alaskan offshore exploration. (1985, p.97-98, eng) 39-3926
- Markers**
- Field evaluation of snowplowable pavement markers. Pigman, J.G., et al. (1983, p.18-24, eng) 39-1645
- Use of radioluminescent lights for Alaskan runway lighting. Jensen, G., et al. (1984, 73p. + appends., eng) 39-2899
- Marking**
- See: Isotopic labeling
- Mars (planet)**
- Comparative planetology, Section S.19. Proceedings. Vol.19. (1984, 142p., rus) 39-1451
- Fluvial history of the planet Mars. Karr, M.H., (1984, p.22-32, rus) 39-1452
- Structure of the cryolithosphere of the planet Mars. Kuz'min, R.O., (1984, p.32-39, rus) 39-1453
- Seasonal movements of air masses in the Martian atmosphere. Aleshin, V.I., (1981, p.614-617, eng) 39-1598
- Effect of ice strength on crater scaling relations. Gaffney, E.S., (1984, p.121-123, eng) 39-1934
- Mars residual north polar cap. Jakosky, B.M., (1983, p.4329-4330, eng) 39-2212
- Annual heat balance of Martian polar caps: Viking observations. Paige, D.A., et al. (1985, p.1160-1168, eng) 39-3365
- Precipitation of ice at low latitudes of Mars. Jakosky, B.M., et al. (1985, p.559-561, eng) 39-3906
- Marshes**
- See: Swamps
- Mass balance**
- Interactions between polar ice streams and the sea. Lingle, C.S., (1984, p.3523-3549, eng) 39-256
- Lake Ontario basin (U.S.A.-Canada) runoff modeling. Croley, T.E., II, (1983, p.101-121, eng) 39-564
- Heat and mass balance observations during the MIZEX 83 drift program. Maykut, G.A., (1984, p.35-46, eng) 39-1128
- Mass balance characteristics of former ice sheets. Boulton, G.S., et al. (1984, p.140-152, eng) 39-1669
- Mass balance of a melting ice shelf. Potter, J.R., et al. (1984, p.161-170, eng) 39-1671
- Passive microwave remote sensing for sea ice research. (1984, 55p., eng) 39-2914
- Mass balance of Greenland inland ice near Jakobshavn. Thomsen, H.H., (1984, p.37-41, eng) 39-3375
- Mass balance of a portion of the Ross Ice Shelf. Jezek, K.C., et al. (1984, p.381-384, eng) 39-3793
- See also: Glacier mass balance
- Mass flow**
- Mass balance of Lambert Glacier drainage basin. McIntyre, N.F., (1985, p.34-38, eng) 39-3722
- Mass transfer**
- Comparison of snow drifting measurements at an alpine ridge crest. Schmidt, R.A., et al. (1984, p.131-141, eng) 39-338
- Melting rates in turbulent recirculating flow systems. Szekely, J., et al. (1984, p.1116-1121, eng) 39-602
- On the temperature distribution in an air-ventilated snow layer. Yen, Y.-C., (1982, 10p., eng) 39-1263
- Heat and mass transfer problems. Carey, G.F., et al. (1983, p.337-346, eng) 39-1277
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- Ice crystal growth in forced convection system. Dash, S.K., (1983, 232p., eng) 39-2010
- Status of numerical models for heat and mass transfer in frost-susceptible soils. Berg, R.L., (1984, p.67-71, eng) 39-2130
- Mass transfer in the snow cover of central Yakutia. Arc, A.L., (1984, p.204-207, eng) 39-2157
- Deformation of freezing, thawing, and frozen rocks. Lebedenko, I.U.P., et al. (1984, p.248-252, eng) 39-2166
- Heat and mass transfer during freezing of aqueous solutions. Wollhöver, K., et al. (1985, p.761-769, eng) 39-3925
- Numerical methods in thermal problems. (1983, 1215p., eng) 39-3960
- Heat and mass transfer in porous media. Refstrup, J., et al. (1983, p.173-183, eng) 39-3967
- See also: Permafrost mass transfer
- Materials**
- New design concept for Halley Station. Smith, A., (1983, p.316-325, eng) 39-2620
- Construction and reconstruction of scientific stations in the Antarctic. Korotkevich, E.S., et al. (1983, p.326-337, eng) 39-2621
- Technical concepts of the antarctic stations Georg-Von-Neumayer and Filchner of the Federal Republic of Germany. Mannhardt, S., (1983, p.338-347, eng) 39-2622
- Floor-elevated summer quarters at Syowa Station. Hannuki, T., et al. (1983, p.348-353, eng) 39-2623
- Safer, more practical and comfortable Chilean bases. Araya F., M., et al. (1983, p.366-381, eng) 39-2625
- Scott Base rebuilding programme. Varcoe, G., (1983, p.399-405, eng) 39-2637
- Thermal emittance of diathermanous materials. Munia, R.H., et al. (1984, p.209-220, eng) 39-2843
- Mathematical models**
- Modeling the freezing process of slush-bearing rivers. Abramov, N.M., (1984, 100p., rus) 39-83
- Modelling of ice accretion on wires. Makkonen, L., (1984, p.929-939, eng) 39-284
- Duration of the freezing of bodies with variable temperature of the medium. Koval'kov, V.P., (1984, p.78-84, eng) 39-352
- Flow law for isotropic and anisotropic ice at low strain rates. Lile, R.C., (1984, 93p., eng) 39-379
- Modeling freezeup of slush-bearing rivers. Abramov, N.M., (1984, p.30-49, rus) 39-436
- Storm surges in the Beaufort and Chukchi Sea. Kovalik, Z., (1984, p.10,570-10,578, eng) 39-949
- Statistical techniques to modelize the snow cover evolution during the spring in mountainous environment. Riser, V., (1982, p.273-276, eng) 39-1215
- Investigation of the solutions to snow avalanche movement equations. Bakhvalov, N.S., et al. (1984, p.117-128, eng) 39-1377
- Soviet avalanche model—exegesis and reformulation. Plam, M., et al. (1984, p.165-196, eng) 39-1381
- Modeling cryogenic physical-geological processes. Grechishchev, S.E., et al. (1984, 230p., rus) 39-1907
- Continental ice sheets and the planetary radiation budget. Oerlemans, J., (1980, p.349-359, eng) 39-2066
- Probability analysis and modeling of oceanic processes. Rozhkov, V.A., ed. (1984, 164p., rus) 39-2247
- Probability model of ice conditions on Arctic seas. Trapeznikov, I.U.A., et al. (1984, p.39-42, rus) 39-2348
- Interactions between ice shelves and earth. Lingle, C.S., et al. (1985, p.1100-1114, eng) 39-2344
- Ice-sheet modelling for climate studies. Oerlemans, J., (1983, p.157-163, eng) 39-3148
- Determining wind stress on ice cover surface. Appel, I.L., (1984, p.73-77, eng) 39-3653
- Calculations of large-scale circulation of waters in the Arctic Basin from a diagnostic model. Ponomarev, V.I., (1984, p.78-91, eng) 39-3654
- Model of ocean currents in the Arctic Basin. Benzenan, V.I.U., (1984, p.92-101, eng) 39-3655
- Rheological model of hummocking of ice cover. Kolesov, S.A., (1984, p.47-55, eng) 39-3662
- Sensitivity of a thermodynamic sea ice model. Ledley, T.S., (1985, p.2251-2260, eng) 39-3999
- Model for dry snow metamorphism by interparticle vapor flux. Gubler, H., (1985, p.8081-8092, eng) 39-4007
- See also: Computerized simulation
- Meadow soils**
- Increasing economic efficiency of the intensification of fodder plant production in northern Europe. Podoplelov, V.P., ed. (1983, 98p., rus) 39-26
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- Systems approach to alpine landscapes. Kolomyta, E.G., (1984, p.65-83, rus) 39-297
- Summaries of papers presented at the 5th convention of the delegates of the All-Union Botanical Society. Lavrenko, E.M., ed. (1973, 403p., rus) 39-446
- Plants growing in cold rocky soil. Gorshkova, A.A., (1973, p.122-124, rus) 39-447
- Cryophilic meadows of Polar Ural Mountains. Igoshina, N.I., (1984, p.10-11, rus) 39-508
- Alasay vegetation in Central Yakutia. Mironova, S.I., (1983, p.262-267, eng) 39-593
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- Water regime of cryogenic chernozem-meadow soils of Yakutia. Semenova, T.N., (1984, p.61-65, rus) 39-3025
- Nutrient cycle of cryogenic soils in flood plains. Batyev, Kh.A., (1984, p.96-110, rus) 39-3029
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- Measurement**
- Experimental gravity measurements on shelf ice. Lindner, K., (1984, p.186-187, ger) 39-1027
- Manual for Military Topography, USSR. Ministry of Defense, Moscow. Govorukhin, A.M., et al. (1980, 352p., rus) 39-1390
- See also: specific types of measurement

Measuring instruments

- Surface roughness of Ross Sea pack ice. Govoni, J.W., et al., 1983, p.123-124, eng. 39-16
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- Snow stick, a new device for monitoring snow depth. Ostrem, G., 1984, p.1.7-1.78, eng. 39-1283
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- In-ice calibration tests for an elongated, uniaxial brass ice stress sensor. Johnson, J.B., 1985, p.244-249, eng. 39-2420
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- Portable echo fathometer. Kovchin, I.S., et al., 1984, p.160-165, eng. 39-3657
- Volcanic deformation studies—Mt. Erebus. Scott, B., et al., 1985, p.20-23, eng. 39-3865
- See also specific types of instruments
- Mechanical ice prevention**
See: Ice removal
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Drilling methods and bits for Yakutia. Grigor'ev, A.N., et al., 1983, p.118-129, rus. 39-1160
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- See also: Avalanche mechanics; Ice mechanics; Rock mechanics; Snow mechanics; Soil mechanics
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Antarctic Committee reports, No.17. Main results of twenty years' research in the Antarctic. Avsiuk, G.A., ed., 1984, 348p., eng. 39-552
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- Proceedings of the 3rd Symposium on Antarctic Logistics. 1982, 1983, 634p., in 3 vols., eng. 39-2591
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- Solute acquisition in glacial melt waters. II. Argentière (French Alps) bulk melt waters with open-system characteristics. Thomas, A.G., et al., 1984, p.44-48, eng. 39-241
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- Time lag of meltwater percolation through a snow cover. Kojima, K., et al., 1984, p.181-184, jpn. 39-4047
- See also: Snowmelt
- Metal ice friction**
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- See also: Gold; Steels
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- Snowfall, snow physics and avalanches, Craigieburn Range, New Zealand. Prowse, T.D., et al., 1984, p.107-118, eng. 39-609
- Stability of larger snow fields in glacier basins. Pertsiger, F.I., 1984, p.17-24, rus. 39-631
- Comments on "Theory of metamorphism of dry snow" by S.C. Colbeck. Sommerfeld, R.A., 1984, p.4963-4965, eng. 39-763
- Spectral albedo of snow and ice. Kuhn, M., et al., 1982, p.282-283, ger. 39-1217
- Present state and prospects of studying snow avalanches in the USSR. Zalikhanov, M.Ch., et al., 1984, p.3-11, rus. 39-1699
- Workshop on the Properties of Snow, 1981. Brown, R.I., ed., 1982, 135p., eng. 39-1717
- Variations in snow cover density, structure and physico-mechanical properties. Girovka, N.N., 1983, p.118-127, rus. 39-1925

- Snowdrift patches on King George (Waterloo) Island. Vtuirin, B.I., 1984, p.209-214, rus. 39-2793
- Snowpack ground truth measurements. 3. Snowpack profile characterization. Harrison, W.L., 1984, p.153-160, eng. 39-2958
- Model for dry snow metamorphism by interparticle vapor flux. Gubler, H., 1985, p.8081-8092, eng. 39-4007
- See also: Snow recrystallization
- Meteorological charts**
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- Meteorological data**
Distribution of snow cover in China. Li, P., et al., 1983, p.9-18, chi. 39-262
- Snow cover data, winter 1982-83. 1984, 44p., eng. 39-531
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- Meteorological instruments**
Scientific operational support to the Soviet Antarctic Expedition studies. Romanov, A.A., 1983, p.89-93, eng. 39-2598
- See also specific types of instruments
- Meteorology**
International Conference on Alpine Meteorology, 17th, 1982. 1982, 293p., ger. 39-1211
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- See also: Atmospheric physics; Glacial meteorology; Marine meteorology; Synoptic meteorology; Weather
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Distribution, abundance, and diversity of McMurdo Sound ice bacteria in 1980. Sullivan, C.W., et al., 1984, p.788-795, eng. 39-376
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- Sea ice microbial communities. 3. Seasonal abundance of microalgae and associated bacteria, McMurdo Sound, Antarctica. McGrath Grossi, S., et al. (1984, p.231-242, eng) 39-3088
- Sea ice microbial communities. 4. The effect of light perturbation on microalgae at the ice-seawater interface in McMurdo Sound, Antarctica. Palmisano, A.C., et al. (1985, p.37-45, eng) 39-3089
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- See also: Bacteria; Cryobiology; Soil microbiology
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- Neutron-activation technique of analyzing snow precipitation for monitoring microelement flux from the atmosphere into Lake Baykal. Vetrov, V.A., et al. (1985, p.211-218, rus) 39-3077
- Microrelief**
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- Microbiology of the active layer of swamps. Ivanov, K.E., et al. (1984, p.101-102, rus) 39-1305
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- Microwave emission from High Arctic sea ice during freeze-up. Hollinger, J.P., et al. (1984, p.8104-8122, eng) 39-217
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- Use of microwave FMCW radar in snow and avalanche research. Gubler, H., et al. (1984, p.109-119, eng) 39-336
- Microwave emission from an irregular snow layer. Eom, H.J., et al. (1983, p.423-437, eng) 39-731
- Snow depth in the mid-western U.S. from SMMR data. Hall, D.K., et al. (1984, p.1-8, eng) 39-815
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- Microwave images for sea-ice classification. Eppler, D.T., et al. (1984, 54p., eng) 39-1720
- Airborne microwave measurements of the southern Greenland ice sheet. Swift, C.T., et al. (1985, p.1983-1994, eng) 39-1912
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- Electrical properties of snow. Stiles, W.H., et al. (1981, p.91-103, eng) 39-2259
- Algorithm to measure sea ice concentration with microwave radiometers. Swift, C.T., et al. (1985, p.1087-1099, eng) 39-2363
- Microwave remote sensing of snow cover. Schanda, E., et al. (1983, p.149-158, eng) 39-2449
- Determining physical properties of sea ice by remote sensing. Ratzer, V.I.U., et al. (1985, p.23-31, rus) 39-2464
- Remote sensing—from research towards operational use. (1984, 880p. (2 vols.), eng) 39-2531
- Dielectric measurements of soils in the 3-37 GHz band between -50 C and 23 C. Hallikainen, M., et al. (1984, p.163-168, eng) 39-2533
- Dielectric behavior of snow in the 3-37 GHz range. Hallikainen, M., et al. (1984, p.169-174, eng) 39-2534
- Active microwave measurements of sea ice in the marginal ice under summer conditions. Onstott, R.G., et al. (1984, p.359-363, eng) 39-2538
- Observation of variations in the composition of sea ice in the Greenland MIZ during early summer 1983 with the NIMBUS-7 SMMR. Gloersen, P., et al. (1984, p.373-378, eng) 39-2541
- Passive microwave characteristics of the Bering Sea ice cover during MIZEX-West. Cavaleri, D.J., et al. (1984, p.379-384, eng) 39-2542
- Surface based brightness temperatures of sea ice in the Bering and Greenland seas. Grenfell, T.C., (1984, p.385-389, eng) 39-2543
- Microwave radiometric determination of atmospheric parameters during the Bering Sea Experiment. Wilheit, T.T., et al. (1982, p.9-35, eng) 39-2739
- Propagation of visible and infrared radiation by fog, rain, and snow. Winchester, L.W., Jr., et al. (1982, 97p., eng) 39-2829
- Passive microwave remote sensing for sea ice research. (1984, 55p., eng) 39-2914
- Dielectric measurements and modeling snow in the 3- to 37-GHz range. Hallikainen, M., et al. (1984, p.201-220, eng) 39-2962
- Backscatter from snow at mm wavelengths. Brancum, J., et al. (1984, p.221-231, eng) 39-2963
- Satellite data for all-weather charting of snow cover. Robinson, D., et al. (1984, p.434-435, eng) 39-2987
- Microwave emission properties of snow for monitoring hydrological parameters. Schanda, E., et al. (1980, p.157-161, eng) 39-3133
- Summer Arctic sea ice character from satellite microwave data. Carney, F.D., (1985, p.5015-5034, eng) 39-3435
- Active microwave measurements of Arctic sea ice under summer conditions. Onstott, R.G., et al. (1985, p.5035-5044, eng) 39-3436
- Spring/summer microwave signatures of sea ice. Grenfell, T.C., et al. (1985, p.5063-5074, eng) 39-3438
- Extraction of sea ice area using AVHRR data of NOAA satellite. Tanaka, S., et al. (1984, p.197-206, eng) 39-3462
- Discrimination of sea ice edge in the Antarctic, from NOAA MSU. Yamanouchi, T., et al. (1984, p.207-217, eng) 39-3463
- Remote sensing of environment. (1985, 2000p. (3 vols.), eng) 39-3703
- Microwave scanning radiometer data for snowpack properties. Arai, K., et al. (1985, p.435-444, eng) 39-3704
- Deicing apparatus and method. Magenheimer, B., (1977, 8 col. + figs., eng) 39-3851
- Microwave monitoring of aviation icing clouds. Gary, B.L., (1983, 22p., eng) 39-3901
- Microwave coupling to ice/metal structures. Kwor, R.Y.C., et al. (1983, 58p., eng) 39-3923
- Migrations**
- Experimental study of brine upward migration in sea ice. Kasai, T., et al. (1984, p.149-155, jpn) 39-4043
- Military engineering**
- Seasonal soil conditions and the reliability of the M15 land mine. Richmond, P.W., et al. (1984, 35p., eng) 39-562
- Engineering provisions for military action. Kolibernov, E.S., et al. (1984, 287p., rus) 39-1339
- Evaluation of concrete cores from Waterbury Dam, Waterbury, Vermont. Pace, C.E., et al. (1982, 61p., eng) 39-1511
- Offensive and defensive military activities under Arctic and winter conditions. Shamshurov, V.K., (1985, 240p., rus) 39-3262
- Oil, strategy & ocean law in the Arctic: a scenario for the 21st century. Ostreng, W., (1985, p.99-116, eng) 39-3335
- Engineering provisions for military action under special conditions. Shamshurov, V.K., (1985, 239p., rus) 39-4060
- Military equipment**
- Military cold region tests of mortars. Hudgens, R.C., et al. (1980, 87p. + appends, eng) 39-568
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- SNOW-ONE-B ASL/SMART measurements. Hanley, S.T., et al. (1983, p.249-278, eng) 39-1960
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- XM-836 (SADARM) winter sensor tests, Grayling, Michigan. Bauerle, D.G., (1984, p.375-377, eng) 39-2975
- Radar backscatter studies at SNOW-TWO. Knox, J.E., (1984, p.379-387, eng) 39-2976
- 3 to 5 micron staring array sensor performance in a cold background and against obscurants. Lamboley, W.R., et al. (1984, p.391-395, eng) 39-2977
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- Secondary stress within the structural frame of DYE-3: 1978-1983. Ueda, H., et al. (1984, 44p., eng) 39-1138
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- Engineering provisions for military action. Kolibernov, E.S., et al. (1984, 287p., rus) 39-1339
- M1 winter tank test (traction devices). Final report. Smith, R.L., (1982, 38p., eng) 39-1516
- Soviet ability to fire through ice creates new SLBM basing mode. Covault, C., (1984, p.16-17, eng) 39-1581
- Frozen precipitation and weather. Munchen/Riem, West Germany. Bilello, M.A., (1984, 47p., eng) 39-1731
- Military operations in northern regions according to non-Soviet military publications. Sergeev, A., (1984, p.80-82, rus) 39-1838
- SNOW-ONE-B data report. Bates, R.E., ed. (1983, 284p., eng) 39-1951
- Visible/IR transmission and meteorological data. Ben-Shalom, A., et al. (1983, p.89-153, eng) 39-1954
- Millimetre wavelength radar propagation measurements at SNOW-ONE-B. Knox, J.E., et al. (1983, p.209-214, eng) 39-1957
- Combat operations in Karelia. Efimenko, L., (1984, p.91-94, rus) 39-2023
- Military tactics. Reznichenko, V.G., et al. (1984, 271p. (Pertinent p.143-151), rus) 39-2118
- Ivan Papanin—hero of the Arctic. Documented essay. Tikhomirov, G.S., (1984, 188p., rus) 39-2240
- Change in orientation of artillery-delivered anti-tank mines in snow. Bigl, S.R., (1984, 20p., eng) 39-2917

Military operation (cont.)

- Snow Symposium, 4th, Hanover, NH, Vol.1. (1984, 433p., eng) 39-2944
- Snowpack ground truth measurements: 1. Overview. Gimmetstad, G.G., et al. (1984, p.123-137, eng) 39-2956

- Overview of meteorological and snow cover characterization at SNOW-TWO. Bates, R.E., et al. (1984, p.171-191, eng) 39-2960

- Arctic icebreakers during the war years. Stefanovich, A.N., (1985, p.51-54, rus) 39-3019

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- Engineering provisions for military action under special conditions. Shamshurov, V.K., (1985, 239p., rus) 39-4060

Military research

- United States Arctic interests: the 1980s and 1990s. Westermeyer, W.E., ed. (1984, 369p., eng) 39-1012

- United States security interests in the Arctic. Johnson, G.L., et al. (1984, p.268-294, eng) 39-1016

- XM-836 (SADARM) winter sensor tests. Grayling, Michigan. Bauerle, D.G., (1984, p.375-377, eng) 39-2975

Military supplies**See: Logistics****Military transportation**

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- Military tactics. Reznichenko, V.G., et al. (1984, 271p. (Pertinent p.143-151), rus) 39-2118

- Building the Alaska highway: political background. Naske, C.M., (1984, p.25-35, eng) 39-2763

- Arctic icebreakers during the war years. Stefanovich, A.N., (1985, p.51-54, rus) 39-3019

- Frost resistant substances for seam-grouting at airports. Bobrov, G., (1985, p.36-37, rus) 39-3261

- Offensive and defensive military activities under Arctic and winter conditions. Shamshurov, V.K., (1985, 240p., rus) 39-3262

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- Engineering provisions for military action under special conditions. Shamshurov, V.K., (1985, 239p., rus) 39-4060

Mine shafts

- Scientific basis for hydraulic dust control in mines of the North. Kudrashov, V.V., (1984, 261p., rus) 39-528

- Stresses in artificially frozen zones of mine shafts. Kazikaev, D.M., et al. (1984, p.11-13, rus) 39-824

- Erecting pile-drivers on artificially frozen ground. Vialov, S.S., et al. (1984, p.7-10, rus) 39-1830

- Controlling the state of artificially frozen fines. Tiutiunnik, P.M., et al. (1984, p.14-19, rus) 39-1831

- Concrete for mine shafts in permafrost areas. Trofimov, B.I.A., et al. (1984, p.16-18, rus) 39-1841

- Improving the efficiency of mining in the north. Izakson, V.I.U., ed. (1983, 85p., rus) 39-1885

- Improving the methods of mining excavation in northeastern mines. Popkov, V.E., et al. (1983, p.3-12, rus) 39-1886

- Excavation instructions for placer mines in permafrost. Sherstov, V.A., et al. (1983, p.33-39, rus) 39-1890

Mineralogy

- Extracting uranium from sea water using iceberg drift. Nishiyama, T., (1984, p.184-186, eng) 39-1092

- Iron in surface and subsurface waters. Grizzly Bear, southeastern Alaska. Hoskin, C.M., et al. (1972, 15p., eng) 39-2633

Minerals

- Beryllium in sulfates of the cryolithic zone south of Verkhoyansk. Kokin, A.V., (1982, p.200-201, eng) 39-155

- Behavior of 238-U, 232-Th and 226-Ra in mountain tundra soils. Shuktomova, I.I., et al. (1983, p.51-56, rus) 39-220

- Mobility of lead in freezing-thawing soils. Kuz'menkova, V.S., et al. (1984, p.67-69, rus) 39-421

- Spectral properties of ice-particulate mixtures. Clark, R.N., et al. (1984, p.6341-6348, eng) 39-679

- Migration of ore elements in cryolithozones. Vagner, B.B., (1984, p.85-89, rus) 39-749

- Methods of geochemical exploration used in northern Siberia. Polikarpochkin, V.V., ed. (1984, 177p., rus) 39-1190

- Peculiarities of formation of cryogenic halos and dispersion flows. Shvartsev, S.L., (1984, p.35-42, rus) 39-1193

- Geochemical exploration in permafrost areas. Pitul'ko, V.M., (1984, p.42-45, rus) 39-1194

- Peculiarities of secondary lithochemical halos in permafrost areas. Kviatkovskii, E.M., et al. (1984, p.45-56, rus) 39-1195

- Formation and structure of secondary dispersion halos in low-mountain taiga landscapes of permafrost areas. Miasnikov, A.A., et al. (1984, p.56-61, rus) 39-1196

- Permafrost weathering and mineral transport and accumulations. Khmeleva, N.V., et al. (1984, p.67-73, rus) 39-1198

- Using mobile elements in search for deeply buried ore bodies. Vinokurov, I.P., et al. (1984, p.73-79, rus) 39-1199

- Locating ore deposits beneath lacustrine-alluvial permafrost. Makarov, V.N., et al. (1984, p.79-84, rus) 39-1200

- Exploration of dispersion streams under permafrost conditions. Gundobin, G.M., et al. (1984, p.102-108, rus) 39-1201

- Using mercury vapor lamps in mining exploration in permafrost. Sveshnikov, G.B., et al. (1984, p.150-153, rus) 39-1202

- Arctic news record, Summer 1984, Vol.3 No.2. (1984, 62p., eng) 39-1203

- Slope processes in the area of the Udokan ore deposits. Krendel'ev, F.P., et al. (1985, p.5-53, rus) 39-3595

- See also: Clay minerals

- Mines (excavations)**

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- Pillarless mining under permafrost conditions. Strel'nikov, K.M., et al. (1983, p.12-21, rus) 39-1887

- Dynamic loads on supports under permafrost conditions. Vikulov, M.A., (1983, p.21-26, rus) 39-1888

- Environmental impact of mining in permafrost areas. El'chaninov, E.A., (1984, p.129-135, rus) 39-2339

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- Frozen soil characteristics that affect land mine functioning. Richmond, P.W., (1983, 18p., eng) 39-96

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- Results of geological-geophysical studies of eastern Siberia in 1976-1980. Pinneker, E.V., ed. (1982, 136p., rus) 39-32

- Permafrost transformation induced by mining activities. Pisarskii, B.I., et al. (1982, p.119-123, rus) 39-37

- Microbiology of soils disturbed by coal mining. Andronova, M.F., (1984, p.82-86, rus) 39-40

- Degradation of lichens and mosses in air-pollution areas. Kruchkov, V.V., (1981, p.92-94, rus) 39-75

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- Percussion-shattering of perennially frozen rocks. Fedulov, A.I., et al. (1983, p.125-131, rus) 39-422

- Air-cushion belt conveyor equipped with a cargo-carrying unit. Aralkin, A.S., (1984, p.67-71, rus) 39-799

- Predicting optimal service life of quarry excavators under conditions of the North. Makhno, D.E., et al. (1984, p.92-95, rus) 39-800

- Economic development of the Chita section of BAM. Zadorozhnyi, V.F., et al. (1984, p.101-108, rus) 39-904

- Peculiarities of geochemical exploration in northern Siberia. Polikarpochkin, V.V., (1984, p.11-18, rus) 39-1191

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- Drying peat on a frozen surface. Balabolin, V.G., (1984, p.15-16, rus) 39-1835

- Mining techniques used in permafrost areas. Novikov, V.V., et al. (1983, p.44-46, rus) 39-1892

- Technical and economic comparison of different versions of the tumbler method of extraction in the Far North. Popov, V.S., (1983, p.81-84, rus) 39-1894

- Problems of engineering glaciology. Osokin, N.I., (1984, p.215-219, rus) 39-2794

- Polaris - world's most northerly mine. Leggett, C.H., (1982, p.46-51, eng) 39-2886

- Scientific-practical conference on the topic "Man and nature in the Far East". Vladivostok, Oct. 4-5, 1984. Summaries. Krasnov, E.V., ed. (1984, 166p., rus) 39-3059

- Economic development of the Far North. Tsurikov, A.A., (1984, p.64-66, rus) 39-3060

- Ecological aspects of economic development of the North. Bud'kov, S.T., (1984, p.79-80, rus) 39-3062

- Environmental impact of the Kan-Achinsk Fuel and Energy Complex. Grudinin, G.V., (1984, p.132-142, rus) 39-3345

- Cryo-geochemical fields of mineral deposits. Makarov, V.N., et al. (1985, p.4-13, rus) 39-3352

- Udokan (natural resources and their development). Narkel'jun, L.F., ed. (1985, 230p., rus) 39-3594

- Slope processes in the area of the Udokan ore deposits. Krendel'ev, F.P., et al. (1985, p.5-53, rus) 39-3595

- Problems of optimizing Siberian ecosystems affected by technology. Trofimov, S.S., et al. (1985, p.3-12, rus) 39-3626

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- Hydrological forecasts. Ginzburg, B.M., ed. (1984, 106p., rus) 39-433

- Compiling a statistical model of tundra, taking as an example the hummocky and spotty tundras of Taymyr Peninsula. Khramtsov, V.N., et al. (1984, p.104-105, rus) 39-527

- Two-phase model of electrical conduction in polar ice sheets. Wolff, E.W., et al. (1984, p.9433-9438, eng) 39-548

- Snow and ice feedbacks prolong effects of nuclear winter. Robock, A., (1984, p.667-670, eng) 39-551

- Handbook for sea ice analysis and forecasting. Stringer, W.J., et al. (1984, 324p., eng) 39-1047

- Potential CO₂-induced changes in West Antarctica. (1984, 236p., eng) 39-1498

- Sea ice variations around West Antarctica. Parkinson, C.L., (1984, p.222-236, eng) 39-1510

- Model tests and in situ behaviour of prestressed anchors in snow and ice. Jessberger, H.L., et al. (1984, p.21-32, eng) 39-1789

- Modeling cryogenic physical-geological processes. Grechishchev, S.E., et al. (1984, 230p., rus) 39-1907

- Three-layer models of mudflow movement. Tevzadze, V.I., et al. (1984, p.29-32, rus) 39-2282

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- Thermodynamic coupled ice-ocean model of the marginal ice zone. Röed, L.P., (1984, p.1921-1929, eng) 39-3143

- Actual paleoclimatic problems from a climatologist's viewpoint. Flohn, H., (1983, p.17-33, eng) 39-3145

- Model of phytoplankton in the marginal sea-ice zone of the Barents Sea. Slagstad, D., (1983, p.35-48, eng) 39-3154

- Thermodynamic sea ice model. Shine, K.P., et al. (1985, p.2243-2250, eng) 39-3998

- See also: Avalanche modeling; Ice models; Lattice models; Mathematical models; Simulation

- Modular construction**

- Industrial output of modular buildings for Siberia and the Far North (organization and structural design). Orlov, V.A., et al. (1984, 56p., rus) 39-54

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- Experimental modular transformer sub-stations. Nartissov, O.A., et al. (1984, p.23-24, rus) 39-1256

- Shortage of living accommodations in Yamburg. Nabokov, V.V., (1985, p.10, rus) 39-2028

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- Modular construction on northern oil fields. Biachkov, A.I., et al. (1985, p.5-6, rus) 39-2222

- Thawing depth of permafrost beneath pile foundations. Varshavskii, I.P., et al. (1985, p.30-31, rus) 39-2227

- Construction and reconstruction of scientific stations in the Antarctic. Korotkevich, E.S., et al. (1983, p.326-337, eng) 39-2621

- Design of settlements for mobile crews. Sobchenko, M.S., et al. (1985, p.29-30, rus) 39-3124

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- Improving the range of block sections for residential houses in the Far North. Tankian, V.G., (1984, p.3-5, rus) 39-3738

- Determining the power of heating elements needed for heated floors of modular buildings. Kazantsev, I.A., et al. (1984, p.21-22, rus) 39-3772

- Transportation and installation of large blocks under West Siberian conditions. Rastorguev, G.A., et al. (1985, p.13-15, rus) 39-3872
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 Thermal insulation and additional moisture insulation in buildings. Kohonen, R., et al. (1984, 93p. + append., fin) 39-2755
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- Molecular structure**
 Ionberg-iceberg model of aqueous solvation and water exchange reactions. Phillips, J.C., (1984, p.478-483, eng) 39-92
 Polymers in space research. (1970, 457p. (Pertinent p.181-357), eng) 39-140
 Molecular structure of crystals in frozen aqueous solutions. Milligan, R.A., et al. (1984, p.1-9, eng) 39-231
 Structure of the ices. Kamb, B., (1972, p.9-24, eng) 39-806
 Transport properties of ice. Jaccard, C., (1972, p.25-64, eng) 39-807
 Structure of D2O ice VIII from in situ powder neutron diffraction. Jorgensen, J.D., et al. (1984, p.3211-3214, eng) 39-819
 Molecular erosion of ice by keV ion bombardment. Ciavola, G., et al. (1982, p.407-412, eng) 39-1147
 Orientational correlation parameter in ice VI. Johari, G.P., et al. (1980, p.3201-3205, eng) 39-1149
 On the proton field gradient of ice Ih. Davidson, E.R., et al. (1984, p.7-10, eng) 39-1398
 Energies of the phases of ice at zero temperature and pressure. Whalley, E., (1984, p.4087-4092, eng) 39-1577
 Proposed antiferroelectric structure for proton ordered ice Ih. Davidson, E.R., et al. (1984, p.3741-3742, eng) 39-1579
 Equilibrium low-temperature structure of ice. Leadbetter, A.J., et al. (1985, p.424-428, eng) 39-2046
 Extraterrestrial ice. Klinger, J., (1984, p.1060-1070, fre) 39-2053
- Intermolecular interactions in ice and liquid water.**
 Cummins, P.L., et al. (1985, p.2002-2013, eng) 39-2510
 Surface premelting. Nenow, D., (1984, p.185-225, eng) 39-2936
 Structure of ice Ih. Yoon, B.J., et al. (1985, p.1223-1231, eng) 39-3827
- Mongolia**
 Cryogenic relief in the Bayan-Nuurin-khotnor basin. Rotnicki, K., et al. (1978, p.141-148, eng) 39-534
 —Bayan-Nuurin-khotnor
 Permafrost physics in the Bayan-Nuurin-khotnor basin, Mongolia. Babiniski, Z., (1978, p.165-172, eng) 39-535
- Monitors**
 Geochemical monitoring of environmental pollution. Kachur, A.N., et al. (1984, p.93-94, rus) 39-1430
 Monitoring forest fires. Valendik, E.N., et al. (1984, p.115-117, rus) 39-1496
 Stability monitoring programs in hazardous ice conditions. Berzins, W.E., et al. (1985, p.120-127, eng) 39-2404
 See also: Warning systems
- Moorings**
 Antarctic ice berths. Dubrov, L.I., et al. (1984, p.33-41, rus) 39-1008
 Bearing strength of fast ice and antarctic transport operations during the spring-summer period. (1979, p.15-30, eng) 39-1366
 Mooring and anchoring in ice-infested waters. Owen, D.G., et al. (1985, p.424-431, eng) 39-2383
 River port construction in northern regions. Baklanov, A.S., et al. (1985, p.21-22, rus) 39-3119
 Construction of ports. Goncharov, V.V., (1985, p.23-24, rus) 39-3120
 Shore roads for Siberian rivers. Dubin, A.A., (1985, p.24-25, rus) 39-3121
 Single point mooring in ice infested waters. Poilack, J., (1985, p.309-322, eng) 39-3183
 Tanker mooring/loading systems for northern offshore arctic regions. Manoudakis, C.P., et al. (1985, p.323-336, eng) 39-3184
 Single point mooring for the Bering Sea. Loire, R., et al. (1985, p.998-1008, eng) 39-3238
 Bearing strength of structures built in frozen ground. Savko, B., (1985, p.38-39, rus) 39-3535
- Moraine lakes**
 See: Glacial lakes
- Moraines**
 Rock glaciers. Gorbunov, A., (1984, p.112-113, rus) 39-117
 Aerial photographic interpretation of coarse-grained till. Viberg, L., (1984, p.15-16, eng) 39-146
 Glacial geomorphology, marginal zone of Sydbreen Glacier, Norway. Johansson, P., (1984, p.107-112, fin) 39-235
 Annual moraine ridges at Skálafellajökull, south-east Iceland. Sharp, M., (1984, p.82-93, eng) 39-246
 Sedimentary processes and buried ice phenomena in the pro-glacial areas of Spitsbergen glaciers. Hambrey, M.J., (1984, p.116-119, eng) 39-250
 Basal moraine hills at Boduizangbu Basin in the southeastern Tibet. Yang, Y., (1983, p.71-74, chi) 39-270
 Ice-cored lateral moraines in Tarfala Valley, Swedish Lapland. Ackert, R.P., Jr., (1984, p.79-88, eng) 39-457
 Variations of Coleman Glacier, WA. Heikkinen, O., (1984, p.53-64, eng) 39-605
 Calculating total glacier ablation. Kononov, V.G., (1984, p.92-98, rus) 39-639
 Recent glaciation of the Ala-Archa River basin. Alzin, V.B., (1984, p.111-120, rus) 39-642
 Climatic changes, cirque glaciers and vegetation, Norway. Larsen, E., et al. (1984, p.137-160, eng) 39-717
 Origin of "unindented shore lines" of glaciated North Atlantic shelves. Grosval'd, M.G., (1982, p.125-133, rus) 39-757
 Glaciers of Bylot Island: a window on the past. Bélanger, J.R., et al. (1983, p.10-13, fre) 39-781
 Ice layers in the extrusive and sedimentary rocks of the Kamchatka Peninsula. Zhiruev, S.P., (1984, p.144-149, rus) 39-852
 Till fabric and recent moraine landscape of Iceland. Krüger, J., et al. (1981, p.19-28, dan) 39-972
 Till and recent dead ice landscape, Höfðabrekkujökull, Iceland. Krüger, J., (1982, p.45-56, dan) 39-974
 Clasts with stoss-lee form in lodgement tills: a discussion. Krüger, J., (1984, p.241-243, eng) 39-1682
 Glaciers, snow cover and avalanches in the mountains of Kazakhstan. Tokmagambetov, G.A., ed. (1983, 207p., rus) 39-1915
 Causes of glacial mudflow formation. Plekhanov, P.A., (1983, p.127-131, rus) 39-1926
 Structure of ground ice in moraines of the Zailiyskiy Alatau. Ermolin, E.D., (1983, p.187-194, rus) 39-1931
 Glacier oscillations and moraine accumulation processes in the Central Caucasus. Serebriannyi, L.R., et al. (1984, 216p., rus) 39-2024
 Calculating mudflow characteristics. Stepanov, B.S., (1984, p.3-17, rus) 39-2280
 Development of mudflow processes in foci of different types. Khonin, R.V., (1984, p.17-29, rus) 39-2281
 Interrelations between runoff and processes originating inside moraines. Golubovich, V.A., (1984, p.74-77, rus) 39-2287
 Origin of glacial mudflows. Stavitski, I.A.S., et al. (1984, p.77-83, rus) 39-2288
 Studying glacial lakes and mudflow formation. Shatravin, V.I., et al. (1984, p.83-92, rus) 39-2289
 Mathematical model of bursting of a glacial lake. Keremkulov, V.A., et al. (1984, p.92-108, rus) 39-2290
 Formation of glacial mudflows. Golubovich, V.A., (1984, p.135-139, rus) 39-2295
 Reconnaissance study of proglacial Stewart Lakes, Baffin Island, District of Franklin. Gilbert, R., et al. (1985, p.505-510, eng) 39-2333
 Talus and rock glaciers. Jorda, M., (1983, p.15-24, fre) 39-2468
 Surges of the Muzgazy Glacier. Desinov, L.V., (1984, p.145-146, rus) 39-2780
 Early Holocene glaciation stage of Spitsbergen. Troitski, L.S., et al. (1984, p.203-208, rus) 39-2792
 Engineering and geological characteristics of clay soils in Nechernozem'e. Osipov, I.U.B., et al. (1985, p.79-89, rus) 39-2881
 Glacial detritus as a source of glaciological information. Kotliakov, V.M., et al. (1985, p.119-128, rus) 39-3260
 Modern and ancient glacial-marine deposits. Vanney, J.-R., et al. (1986, p.9-50, eng) 39-3274
 Water regime of taiga soils in clearings and burned-out areas. Bogatyrev, I.U.G., et al. (1985, p.16-25, rus) 39-3296
 Push moraine genesis in southern Iceland. Heim, D., (1984, p.21-36, ger) 39-3374
 Sedimentation since Last Ice Age, Tian Shan. Feng, Z., et al. (1984, p.39-49, chi) 39-3516
 Permafrost phenomena in the Chara River basin. Krendeliev, F.P., et al. (1985, p.53-82, rus) 39-3596
 Composition and structure of permafrost in the Khant-Mansiysk area. Sukhorukova, S.S., (1985, p.37-43, rus) 39-3616
 Re-advance of a debris-covered glacier, President Range, B.C., Canada. Rogerson, R.J., (1985, p.13-17, eng) 39-3719
 Deposition on moraine embankments, Glacier de Tadjore Nouve, Switzerland. Small, R.J., et al. (1984, p.275-281, eng) 39-3775
- Electrical soundings of some rock glaciers and moraines in the southern Alps of France. Evvin, M., (1984, p.127-137, fre) 39-3928
 Quaternary environments of eastern Canadian Arctic and W. Greenland. Andrews, J.T., ed. (1985, 774p., eng) 39-3931
 Guide to Late Pleistocene and Holocene deposits of Turnagain Arm. Bartsch-Winkler, S., et al. (1984, 70p. + 2 maps, eng) 39-4027
- Morphogenesis**
 See: Geomorphology
- Mortars**
 Construction of large panel buildings in freezing weather. Shishkin, A.A., (1984, p.18-19, rus) 39-831
 Shear stresses at metal-concrete and concrete-ground interfaces. Kolin, D.I., et al. (1984, p.27-28, rus) 39-1170
 Mortar in historic buildings. Perander, T., et al. (1985, 48p. + append., fin) 39-2839
 Using low-density plugging solutions. Zel'tser, P.A., et al. (1985, p.17-18, rus) 39-3299
 Assembly of large-panel buildings in freezing weather. Sergeev, D.D., (1985, p.18-19, rus) 39-3737
- Mosses**
 Bryo-lichenological studies of high-altitude regions and the northern USSR. Shliakov, R.N., ed. (1981, 125p., rus) 39-55
 Studied mossy plants of the USSR and problems of their further investigation. Shliakov, R.N., (1981, p.3-9, rus) 39-56
 Endemism of bryoflora in Central Asia. Mamatkulov, U.K., (1981, p.11-14, rus) 39-57
 Mosses in Yamal tundras. Andreeva, E.N., (1981, p.18-19, rus) 39-58
 Mosses in the southern part of the Magadan Region. Biagodatskikh, L.S., (1981, p.22-24, rus) 39-59
 Musci of the Kuznetskiy Alatau. Vasil'ev, A.N., (1981, p.28-29, rus) 39-60
 Rare moss species in the bryoflora of Karelia. Volkova, L.A., (1981, p.29-31, rus) 39-61
 Mosses in the mountain taiga of southern Siberia. Gudoshnikov, S.V., (1981, p.37-39, rus) 39-62
 Analysis of the bryoflora of Central Timan. Zhelernova, G.V., (1981, p.40-42, rus) 39-63
 Hepatic mosses of the Taymyr Peninsula. Zhukova, A.L., (1981, p.42-43, rus) 39-64
 Aquatic mosses in permafrost areas. Lapaev, G.P., et al. (1981, p.45-46, rus) 39-65
 Moss-lichen covers of Alpine tundra. Sulialina, A.V., (1981, p.53-54, rus) 39-66
 Biogeocenotic (consortive) relations of mosses in tundra and taiga ecosystems. Tishkov, A.A., (1981, p.54-55, rus) 39-67
 Mosses associated with mountain snowfields. Ulychna, K.O., (1981, p.55-57, rus) 39-68
 High altitude musci of the Khangay Range. Tsegmed, Ts., (1981, p.58-61, rus) 39-69
 Taxonomic structure of mossy plants in the Murmansk region. Shliakov, R.N., et al. (1981, p.64-67, rus) 39-70
 Lichens in the Arctic tundras of the Yamal Peninsula. Andreev, M.P., (1981, p.75-76, rus) 39-73
 Degradation of lichens and mosses in air-pollution areas. Kruchkov, V.V., (1981, p.92-94, rus) 39-75
 Lichens of the Yamal Peninsula. Randlane, T., (1981, p.107-109, rus) 39-78
 Micromycetes in soils of an Arctic tundra ecosystem. Bab'eva, E.N., et al. (1983, p.71-74, rus) 39-221
 Arctic mosses of the USSR. Abramov, I.I., et al. (1973, p.174-176, rus) 39-449
 Florogenetic peculiarities of moss floras. Bardunov, L.V., (1973, p.178, rus) 39-450
 All-Union conference "Vegetational cover of Subarctic highlands and problems of Arctic-Alpine floristic bonds", Khibiny, July 10-15, 1984. Summaries. (1984, 113p., rus) 39-503
 Spatial distribution of phytomass in different types of Alpine tundras in the northern Ural Mountains. Bulatova, I.K., (1984, p.5-6, rus) 39-504
 Vegetation of the northeastern slope of the Rarytkin Range (Chukotskiy Peninsula). Mironenko, O.N., (1984, p.16-17, rus) 39-508
 Interrelationships of highland vegetation and soils of the Subarctic Kola Peninsula. Nikonov, V.V., et al. (1984, p.18-19, rus) 39-509
 Extrazonal vegetation in the Byrranga Mountains (Arctic Taymyr Peninsula). Rapota, V.V., (1984, p.27-28, rus) 39-511
 Bald-peak and Alpine tundra communities on the Tukuringa Range. Sietsura, N.N., (1984, p.33-34, rus) 39-513
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 Floristic saturation in the Alpine tundra communities of the Khibiny Mountains. Konstantinova, N.A., (1984, p.61-62, rus) 39-520

Mosses (cont.)

- Dynamics of mosses in forest and peatland, SE Labrador, Canada. Foster, D.R., et al., 1984, p.133-140, eng. 39-713
- Effect of soil and vegetation removal on soil temperature regime in quarries. Vasil'ev, I.M., et al., 1980, p.20-24, rus. 39-751
- Evolution of taiga soils. Aref'eva, Z.N., 1977, p.33-44, rus. 39-883
- Isotope variations in flora from the Schirmacher Ponds region. Strauch, G., et al., 1984, p.54-59, rus. 39-1011
- Biogenic accumulation of nitrogen in plants of tundra zone (exemplified by the ecosystems of Bol'shezemel'skaya tundra). Grunina, L.K., et al., 1984, 32p., rus. 39-1396
- Investigations of the forestry research station of the Academy of Sciences of the USSR. Vomperskil, S.E., ed., 1984, 173p., rus. 39-1412
- Studies of northern taiga forests at the Onega research station. Rysin, L.P., 1984, p.10-24, rus. 39-1413
- Studying taiga vegetation in the Severnaya research station. Orlov, A.I., 1984, p.36-57, rus. 39-1414
- Pollution of moss cover in northern taiga by industrial wastes. Andreeva, E.N., 1984, p.8-9, rus. 39-1426
- Plant communities of alpine tundra. Chastukhina, S.A., 1984, p.1363-1370, rus. 39-1567
- Forest vegetation as an indicator of permafrost. Borsheva, N.M., et al., 1983, p.176-187, rus. 39-1930
- Role of mosses in reclamation of brine spills in forested areas. Ross, B.A., et al., 1984, p.67-71, eng. 39-1935
- Lower plants under extreme climatic conditions. Martin, J., ed., 1984, 224p., rus. 39-2367
- Problem of extremity in the ecology of cryptogamic plants. Martin, J.U.L., 1984, p.9-19, rus. 39-2368
- Environmental impact on the growth of mosses. Vil'de, R.O., 1984, p.30-34, rus. 39-2642
- Taxonomic composition and main trends in the evolution of Arctic plants. Khokhriakov, A.P., 1984, p.188-192, rus. 39-2663
- Alpine mossy larch forest of the Zeya State Reserve on the Tukuringa Range. Kuvaev, V.B., et al., 1985, p.221-231, rus. 39-2986
- Ways of formation of hummock-and-hollow microrelief in swamps. Pivachenko, N.I., 1985, p.77-80, rus. 39-3108
- Vegetation pattern and ecology of siliceous boulder snow beds on Svalbard. Elvebakk, A., 1984, p.9-20, eng. 39-3373
- Motor vehicles**
- Removing snow with refuse trucks. 1984, p.61, eng. 39-94
- Winter maintenance of roads in eastern Siberia. Maevskii, A.A., 1984, p.53-58, rus. 39-418
- Materials and design of technical equipment for the North. Urzhumtsev, I.U.S., ed., 1984, 85p., rus. 39-1112
- Automobile performance in very cold climate. Ishkov, A.M., et al., 1984, p.59-64, rus. 39-1115
- Storage of automobiles in parking lots at low temperatures. Kramarenko, G.V., et al., 1984, 136p., rus. 39-1237
- Shallow snow model for predicting vehicle performance. Harrison, W.L., 1981, 21p., eng. 39-1261
- Simple device to improve low temperature driving. Coutts, J., 1984, p.36-37, eng. 39-2764
- Mountain glaciers**
- Core drilling of Vernagtferner, Austrian Alps. Oerter, H., et al., 1983, p.1-11, eng. 39-43
- Natural gamma logging of borehole 1 on Vernagtferner (Oetzal Alps, Austria). Drost, W., et al., 1983, p.47-52, eng. 39-47
- Results of tracer experiments with fluorescent dyes on Vernagtferner (Oetzal Alps, Austria) from 1974 to 1982. Behrens, H., et al., 1983, p.65-83, eng. 39-49
- Follow-up measurements, Pasterze (Glockner Group) 1982. Wakonigg, H., 1983, p.191-197, ger. 39-106
- Modelling temperature distribution in Alpine glaciers. Blatter, H., et al., 1984, p.18-22, eng. 39-166
- Isotope stratification in high mountain glaciers: examples from the Peruvian Andes and Himalaya. Grabczak, J., et al., 1983, p.417-424, eng. 39-203
- Fundamental features of modern glaciers in the Altay Shan of China. Wang, L., et al., 1983, p.27-38, chi. 39-264
- Life of the Earth. Global tectonics and dynamics of natural processes. Ushakov, S.A., ed., 1984, 152p., rus. 39-389
- Expected surge of the Medvezhiy glacier in Pamirs. Dolgushin, L.S., 1984, p.66-69, rus. 39-391
- High altitude flora of Ural Mountains. Gorchakovskii, P.L., 1984, p.53-54, rus. 39-518
- Oxygen isotopic ratios of some Himalayan glaciers. Nyampurkar, V.N., et al., 1984, p.300-302, eng. 39-596
- Geomorphological research on Cevedale Mt, Italy. 1983, p.56-60, fre. 39-620
- Report on the 1982 glaciological survey. 1983, p.72-100, ita. 39-621
- Glaciology of mountain regions (snow cover, avalanches and glaciers). Getker, M.I., ed., 1984, 136p., rus. 39-628
- Global formulas of A.N. Krenke and V.G. Khodakov for calculating snow melting. Pertsiger, F.I., et al., 1984, p.14-16, rus. 39-630
- Stability of larger snow fields in glacier basins. Pertsiger, F.I., 1984, p.17-24, rus. 39-631
- Unusual forms of snow cover relief in Central Asian mountains. Ratsek, V.I., et al., 1984, p.24-27, rus. 39-632
- Distinguishing annual layers in firn-ice cores. Glazyrin, G.E., et al., 1984, p.79-92, rus. 39-638
- Calculating total glacier ablation. Kononov, V.G., 1984, p.92-98, rus. 39-639
- Calculating glacier ablations from mean summer air temperature. Shchetinnikov, A.S., et al., 1984, p.98-104, rus. 39-640
- Recent glaciation of the Ala-Archa River basin. Atzin, V.B., 1984, p.111-120, rus. 39-642
- Precipitation of atmospheric dust on mountain glacier surfaces. Glazyrin, G.E., et al., 1984, p.120-125, rus. 39-643
- Preliminary discussion on influence of Tarim Basin upon the glacier development in southern Tian Shan Mountains. Wang, Z., et al., 1984, p.61-70, chi. 39-934
- Glaciers of China. Huang, J., 1984, p.85-93, chi. 39-937
- Quaternary alpine glaciation and marine erosion in Iceland. Sigbjarnarson, G., 1982, p.87-98, eng. 39-987
- International Conference on Alpine Meteorology. 17th, 1982, 1982, 23p., ger. 39-1211
- Wurtenkees in the Goldberg group (Hohe Tauern)—a glacier of "anomalous" behavior. Böhm, R., 1982, p.270-272, ger. 39-1214
- Studies of recent land glaciation of the Soviet Arctic. Govorukha, L.S., 1984, p.344-350, rus. 39-1303
- Study of Quaternary glaciation in Mts. Tomur-Hantengri area, Tian Shan. Shi, Y., et al., 1984, p.1-14, chi. 39-1535
- Discussion on the periglacial development in the northeast marginal region of Qinghai-Xizang Plateau. Xu, S., et al., 1984, p.15-25, chi. 39-1536
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- Glaciation of the Cotopaxi, Ecuador. Jordan, E., 1983, p.73-102, eng. 39-1634
- Glaciers, snow cover and avalanches in the mountains of Kazakhstan. Tokmagambetov, G.A., ed., 1983, 207p., rus. 39-1915
- Snow accumulation, firn temperature and solar radiation, Swiss Alps. Alean, J., et al., 1983, p.131-147, eng. 39-1964
- Glacier oscillations and moraine accumulation processes in the Central Caucasus. Serebrianniy, L.R., et al., 1984, 216p., rus. 39-2024
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- International Karakoram Project. Miller, K.J., ed., 1984, 2 vols., eng. 39-2296
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- Electronic design and performance of an impulse radar ice-depth sounding system used on the Vatnajökull ice-cap, Iceland. Cumming, A.D.G., et al., 1984, p.111-125, eng. 39-2305
- Results of impulse radar ice-depth sounding on the Vatnajökull ice-cap, Iceland. Bishop, J.F., et al., 1984, p.126-134, eng. 39-2306
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- Ice depth radio echo-sounding techniques employed on the Hispar and Ghulkin Glaciers. Oswald, G.K.A., 1984, p.86-99, eng. 39-2316
- Impulse radar ice-depth sounding on the Hispar Glacier. Dong, Z.B., 1984, p.100-110, eng. 39-2317
- Impulse radar ice-depth sounding of the Ghulkin glacier. Francis, M.R., et al., 1984, p.111-123, eng. 39-2318
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- Spatio temporal distribution of the glacial mass balance in the Alpine, Scandinavian and Tien Shan areas. Reynaud, L., et al., 1984, p.239-247, eng. 39-2506
- Glaciation of South America. Glebova, L.N., et al., 1984, p.29-43, rus. 39-2766
- Ice-snow ablation runoff in mountains of western Canada and the United States. Dreier, N.N., et al., 1984, p.56-63, rus. 39-2768
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- Measurements of ice flow velocities, Medvezhiy Glacier. Kazanskii, A.B., et al., 1984, p.192-174, rus. 39-2790
- Effects of the Quaternary glaciers on the Matese Mt., Italy. Palmentola, G., et al., 1983, p.117-130, ita. 39-2844
- Periglacial processes in southern East Siberia. Laperdin, V.K., 1985, p.54-61, rus. 39-3013
- Effect of glaciers on streamflow variations. Fountain, A.G., et al., 1985, p.579-586, eng. 39-3278
- Stratigraphy of the Quelccaya ice cap, Peru. Thompson, L.G., et al., 1984, p.50-53, eng. 39-3364
- Gravimetric measurement of glacier thickness in Tian Shan. Zeng, Z., 1984, p.31-38, chi. 39-3515
- Pleistocene glaciation in East China. Cui, Z., et al., 1984, p.77-86, chi. 39-3520
- Glacial highway. Wang, Z., et al., 1984, p.95-96, chi. 39-3523
- Recent variations of the Insukati glacier and adjacent glacier in the Karakoram Mountains. Zhang, X., 1980, p.12-16, chi. 39-3695
- Experiment on radio-echo sounding of a mountain glacier. Huang, Y., et al., 1980, p.37-39, chi. 39-3699
- Re-advance of a debris-covered glacier, President Range, B.C., Canada. Rogerson, R.J., 1985, p.13-17, eng. 39-3719
- Radiometric chronology of Changme-Khangpu glacier, Sikkim. Nyampurkar, V.N., et al., 1985, p.28-33, eng. 39-3721
- Climatic zonation in the Andes and permafrost distribution. Minetti, J.L., et al., 1984, p.129-143, spa. 39-3947
- Mountain soils**
- Botanical-geographic characteristics of steppe vegetation in interior Alaska. Urtsev, B.A., 1984, p.743-752, rus. 39-114
- Cryogenic brown soils of Sikhote Alin'. Surina, N.I., et al., 1984, p.10-19, rus. 39-443
- Woody plants of the polar Ural Mountains. Semenov, B.A., et al., 1984, p.30-31, rus. 39-512
- Mudflow and avalanche danger in mountainous and gullied areas of the Ukrainian SSR. Alzenberg, M.M., et al., 1984, p.88-95, rus. 39-911
- Vegetation of the Far East. Nechaev, A.P., ed., 1976, 136p., rus. 39-1071
- Woody plants in northern monsoon climate. Karpenko, N.P., 1976, p.23-29, rus. 39-1072
- Formation and structure of secondary dispersion halos in low-mountain taiga landscapes of permafrost areas. Miasnikov, A.A., et al., 1984, p.56-61, rus. 39-1196
- Salient characteristics of soil-forming processes in Xizang (Tibet). Gao, Y., et al., 1983, p.11-17, eng. 39-1629

- Humus in alpine soils. Biriukova, O.N., et al. (1984, p.43-53, eng) 39-1638
- Infiltration parameters in the Gerkhozhansu mudflow basin (northern Caucasus). Moskalev, E.L., et al. (1984, p.77-84, rus) 39-1708
- Impact of human activities on Subalpine soils. Razumov, V.V., (1984, p.109-121, rus) 39-1709
- Preliminary estimation of the impact of industries on highland ecosystems. Razumov, V.V., et al. (1984, p.121-134, rus) 39-1710
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- Stability of forest-strip protection in Siberia and Kazakhstan. Popova, O.S., et al. (1984, 130p., rus) 39-2221
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- Zonality in the forest flora of Central Khangay (Mongolia). Savina, L.N., (1984, p.82-93, rus) 39-3007
- Environmental impact of power plant construction. Vaskovskii, A.P., et al. (1984, p.80-82, rus) 39-3063
- Forest-growing properties of soils on the Yenisey Range. Gorbachev, V.N., et al. (1985, p.3-9, rus) 39-3294
- Reestablishment of larch forests in central Sikhote Alin. Glagolev, V.A., (1984, p.91-103, rus) 39-3802
- Mountain tundra**
See: Alpine tundra
- Mountains**
Snow cover variations in mountain environments. Risser, V., et al. (1984, p.287-296, eng) 39-2000
- Role of mountain forests in water protection. Lebedev, A.V., (1984, p.156-164, rus) 39-2352
- Udakan (natural resources and their development). Narkel'ian, L.F., ed. (1985, 230p., rus) 39-3594
- Mud**
Anti-icing additive to red mud for road construction. Bayer, G., et al. (1984, 4 col., ger) 39-4012
- Mud circulation**
See: Drilling fluids
- Mudflows**
Forecasting rain-induced and glacial mudflows in the Caucasus. Andreev, I.U.B., et al. (1984, p.86-92, rus) 39-41
- Snow physics, avalanches, mudflows. Zalikhanov, M.Ch., ed. (1984, 156p., rus) 39-288
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- Modernized radio alarm systems for mudflows. Abramov, A.I., et al. (1984, p.122-126, rus) 39-464
- Improved radio alarm systems for mudflows. Abramov, A.I., et al. (1984, p.126-130, rus) 39-465
- Upper forest lines in the Subarctic as indices of ecologic parameters of the biosphere. Krut'chikov, V.V., (1984, p.13-14, rus) 39-506
- Trees and shrubs growing on mudflow cones. Khomullo, O.N., (1984, p.37-38, rus) 39-514
- Estimation of mudflow and avalanche danger in the BAM zone. Perov, V.F., et al. (1984, p.59-68, rus) 39-903
- Mudflow and avalanche danger in mountainous and gullied areas of the Ukrainian SSR. Aizenberg, M.M., et al. (1984, p.88-95, rus) 39-911
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- Studying slope processes in Caucasus forests. Imanov, N.A., et al. (1984, p.103-104, rus) 39-1495
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- Slope protection from glacial mudflows. Bolov, V.R., (1984, p.74-77, rus) 39-1707
- Infiltration parameters in the Gerkhozhansu mudflow basin (northern Caucasus). Moskalev, E.L., et al. (1984, p.77-84, rus) 39-1708
- Glaciers, snow cover and avalanches in the mountains of Kazakhstan. Tokmagambetov, G.A., ed. (1983, 207p., rus) 39-1915
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- Design of intercepting dams for glacial mudflows. Zhakishvili, M.A., (1984, p.96-103, rus) 39-2253
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- Calculating mudflow characteristics. Stepanov, B.S., (1984, p.3-17, rus) 39-2280
- Development of mudflow processes in foci of different types. Khonin, R.V., (1984, p.17-29, rus) 39-2281
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- Preventing glacial lake bursting by controlled drainage. Mochalov, V.P., et al. (1984, p.108-117, rus) 39-2291
- Calculating static shear stresses in mudflow mixtures. Gavrishina, L.N., (1984, p.118-124, rus) 39-2292
- Calculating viscosity of polydispersed suspensions. Gavrishina, L.N., et al. (1984, p.124-130, rus) 39-2293
- Assembly for studying the impact strength of mudflows. Bukeikhanov, S.R., et al. (1984, p.130-132, rus) 39-2294
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- Impact of human activities on spruce forest of northern Tien Shan and the dynamics of its recovery. Roldugin, I.I., (1983, 208p., rus) 39-2452
- Forest disturbances due to fire, avalanches and mudflows on Mt. Rainer. Hemstrom, M.A., et al. (1982, p.32-51, eng) 39-2906
- Periglacial processes in southern East Siberia. Laperdin, V.K., (1985, p.54-61, rus) 39-3013
- Mountain mudflows in Lushan, China. Deng, X., (1984, p.97-90, chj) 39-3521
- Study of glacier and mud flows in Langtang, Nepal (Himalaya Mts.). Zheng, B., (1984, p.91-94, chj) 39-3522
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- Identifying naleds on multizonal aerial photographs. Abakumenko, A.E., (1984, p.73-80, rus) 39-1697
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- Laboratory facility for testing sediments containing gas hydrates. Wittebolle, R.J., et al. (1985, p.52-58, eng) 39-2395
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- Detection of gas hydrate horizons in World Ocean. Ginsburg, G.D., et al. (1984, p.141-158, rus) 39-3058
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Aquatic mosses in permafrost areas. Lapcev, G.P., et al. (1981, p.45-46, rus) 39-45
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Natural resources (cont.)

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- Navigation**
- Whiteout. Grant, R.S., (1984, p.54-57, eng) 39-627
- See also: Ice navigation; Subglacial navigation
- Needle ice**
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- Nepal**
- Langtang River
- Study of glacier and mud flows in Langtang, Nepal (Himalaya Mts.). Zheng, B., (1984, p.91-94, chi) 39-3522
- Netherlands**
- Prediction of ice formation for the Eastern Scheldt in the Netherlands. Pilarczyk, K.W., (1984, p.223-232, eng) 39-1770
- Neutron diffraction**
- Structure of deuterated ices VI, VII and VIII. Kuhs, W.F., et al. (1984, p.3612-3623, eng) 39-1578
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- Comparison of the snowmelt energy budgets in two alpine basins. Moore, R.D., (1983, p.1-10, eng) 39-1570
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- Craigieburn Range
- Snowfall, snow physics and avalanches, Craigieburn Range, New Zealand. Prowse, T.D., et al. (1984, p.107-118, eng) 39-609
- Nival relief**
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- Cryogenic landforms of King George Island, South Shetland Islands. Vtiurin, B.I., et al. (1985, p.77-82, rus) 39-2039
- Nivation**
- Mosses associated with mountain snowfields. Ulychna, K.O., (1981, p.55-57, rus) 39-68
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- Albedo values of Caucasus measured during 1953-1978. Samukashvili, R.D., (1984, p.123-128, rus) 39-302
- Nivation hollows and glacial cirques in Söderåsen, Scania, South Sweden. Rapp, A., (1984, p.11-28, eng) 39-456
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- Acclimatization peculiarities of plants from snow fields and from dry gravelly mountain tundra of Chukchi Peninsula. Polozova, T.G., (1984, p.135-140, rus) 39-2656
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- Nomenclature**
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- Decay of sea ice in the North Water polynya. Ito, H., (1985, p.8102-8110, eng) 39-4008
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- Main transportation route in the Soviet Arctic. Arikainen, A.I., (1984, 192p., rus) 39-2036
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- Glaciological work in 1983. Liestøl, O., (1984, p.35-45, eng) 39-1839
- Study of sediment transport in Norwegian glacial rivers, 1969. Ostrem, G., et al. (1973, 46p., eng) 39-2634
- Temperature and transport of ground at a nivation site, N. Norway. Hall, K.J., (1985, p.27-37, eng) 39-3587
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- Periglacial talus slopes. Jahn, A., (1984, p.177-193, eng) 39-3883
- Jotunheimen
- Jökulhlaups and ice-dammed lakes, Jotunheimen, Norway. Shakesby, R.A., (1985, p.1-16, eng) 39-3586
- Leirbreen Glacier
- Englacial deltaic sediments as evidence for basal freezing and marginal shearing, Leirbreen southern Norway. Harris, C., et al. (1984, p.30-34, eng) 39-239
- Spitsbergen
- Icequakes and glacier motion: the Hans Glacier, Spitsbergen. Cichowicz, A., (1983, p.27-38, eng) 39-86
- Sedimentary processes and buried ice phenomena in the pro-glacial areas of Spitsbergen glaciers. Hambrey, M.J., (1984, p.116-119, eng) 39-250
- Rock glaciers in northern Spitsbergen: a discussion. Humlum, O., (1982, p.214-218, eng) 39-764
- Glacierkarst phenomena in Spitsbergen. Pulina, M., (1984, p.163-168, eng) 39-1733
- Airborne radio echo sounding of sub-polar glaciers in Spitsbergen. Dowdeswell, J.A., et al. (1984, 41p., eng) 39-3388
- Svalbard
- Surging ice caps in Nordaustlandet, Svalbard, 1983. Drewry, D.J., et al. (1985, p.359-378, eng) 39-3275
- Vegetation pattern and ecology of siliceous boulder snow beds on Svalbard. Elvebak, A., (1984, p.9-20, eng) 39-3373
- Svartisen
- Recent changes of some glaciers of East Svartisen, Norway. Knudsen, N.T., et al. (1984, p.367-380, eng) 39-2565
- Sydbreen Glacier
- Glacial geomorphology, marginal zone of Sydbreen Glacier, Norway. Johansson, P., (1984, p.107-112, fin) 39-235
- Norwegian Sea**
- Thermohaline circulation in the Arctic mediterranean seas. Agard, K., et al. (1985, p.4833-4846, eng) 39-3430
- Nuclear explosions**
- Snow and ice feedbacks prolong effects of nuclear winter. Robock, A., (1984, p.667-670, eng) 39-551
- Nuclear magnetic resonance**
- Effects of magnetic particles on the unfrozen water content in soils. Tice, A.R., et al. (1984, p.63-73, eng) 39-455
- Physical properties of supercooled heavy water. Lang, E.W., et al. (1984, p.3820-3827, eng) 39-1576
- Nuclear power**
- Nuclear power plants in the Far North. Shadrin, A.P., (1983, 122p., rus) 39-1176
- Environmental protection around nuclear facilities. Shiriaev, F.Z., et al. (1982, 201p., rus) 39-1389
- Nuclear-powered lighter carrier for the Arctic. Vorob'ev, V., et al. (1983, p.18-23, eng) 39-1574
- Major safety provisions in nuclear-powered ships. Khlopkin, N.A., et al. (1985, p.803-806, eng) 39-3915
- Nuclear wastes**
- See: Radioactive wastes
- Nucleating agents**
- Applying television techniques to studying ice crystal coagulation. Kim, N.S., et al. (1984, p.96-101, rus) 39-483
- Measuring microstructure of crystalline fogs with the "Aspect-10" television spectrometer for aerosols. Kuznetsov, V.V., et al. (1984, p.101-106, rus) 39-484
- Distribution of seeding zones in cloud modification. Ushinseva, V.F., (1984, p.49-56, rus) 39-547
- Model studies on ice-forming aerosol generators used to seed clouds. Beliaev, S.P., et al. (1983, p.48-53, rus) 39-588
- Ice-forming natural aerosols. Berezinskii, N.A., et al. (1984, p.37-45, rus) 39-926
- Laboratory experiments on frazil ice growth in supercooled water. Ertima, R., et al. (1984, p.43-58, eng) 39-1621
- Heterogeneous ice nucleation. Gzirishvili, T.G., et al. (1984, 140p., rus) 39-2100
- Experimental studies of nucleation by dry ice. Horn, R.D., et al. (1982, p.1567-1570, eng) 39-2217
- See also: Dry ice (trademark); Lead iodide; Silver iodide
- Nucleation**
- See also: Heterogeneous nucleation; Homogeneous nucleation
- Nucleation rate**
- Nucleation of ice in undercooled water and aqueous polymer solutions. Franks, F., et al. (1984, p.275-285, eng) 39-2051
- Nuclei**
- See: Condensation nuclei; Ice crystal nuclei; Ice nuclei; Organic nuclei
- Numerical models**
- See: Mathematical models
- Nunataks**
- Photogrammetry in western New Schwabenland 1983/84. Sievers, J., et al. (1985, p.68-71, ger) 39-2808
- Nutrient cycle**
- Geochemistry of iron in southern taiga soils. Sizov, A.P., (1984, p.81-84, rus) 39-445
- Plant growth in the high Arctic. Maessen, O., et al. (1983, p.1680-1691, eng) 39-453
- Mobility of lichen compounds from *Glonoma mitis* in arctic soils. Dawson, H.J., et al. (1984, p.40-45, eng) 39-454
- Thermal eutrophy of northern ponds. Kuksn, M.S., (1984, p.19-31, rus) 39-821
- Microbe associations in forest biogeocenoses. Gukasian, A.B., ed. (1983, 122p., rus) 39-956
- Peculiarities of *Lipomyces* distribution in the mountain-taiga soils of Tuva. Abramenko, N.I., (1983, p.69-73, rus) 39-959
- Microflora and biologic activity in the litter of pine forests of the Angara River area. Bugakova, T.M., et al. (1983, p.101-115, rus) 39-960
- Exchange processes in biogeocenoses. Reports presented at the second annual meeting commemorating academicians V.N. Sukachev, Moscow, Oct. 19, 1983. Giliarov, M.S., ed. (1984, 85p., rus) 39-1394
- Flows of material and energy in swamp biogeocenoses. Pivachenko, N.I., (1984, p.5-32, rus) 39-1395
- Biogenic accumulation of nitrogen in plants of tundra zone (exemplified by the ecosystems of Bol'shezemel'skaya tundra). Grunina, L.K., et al. (1984, 32p., rus) 39-1396
- Seasonal patterns of nitrogen mineralization following harvesting in the white spruce forests of interior Alaska. Gordon, A.M., et al. (1983, p.119-130, eng) 39-1521
- Annual carbon budget for an arctic kelp community. Dunton, K.H., (1984, p.311-325, eng) 39-1882
- Denitrification in soils of western Siberia. Gantimurova, N.I., (1984, 117p., rus) 39-2033
- Studying ecosystems of pool-and-ridge bogs. Ivanov, K.E., (1984, p.30-35, rus) 39-2583
- Cycle of chemical elements in taiga landscapes of southern Yakutia. Konorovskii, A.K., et al. (1984, p.49-60, rus) 39-3024
- Peat bogs, their natural and economic significance. Pivachenko, N.I., (1985, 152p., rus) 39-3592
- Nitrogen cycle in peat bog soils. Bursakov, S.A., et al. (1985, p.50-54, rus) 39-3729
- Ocean atmosphere interactions**
- See: Air water interactions
- Ocean bottom**
- Surface sediment in the western Barents Sea. Elverhöi, A., et al. (1983, 22p. + map, eng) 39-227

- Geotechnical investigations in the southern Beaufort Sea—
Spring 1984. Kurfurst, P.J., comp. (1984, 96p., eng) 39-479
- Seabed processes on the NE Grand Banks, Newfoundland.
Barrie, J.V., et al. (1984, p.209-227, eng) 39-502
- Hydrocarbon gases in sediments, Navarin basin, Bering
Sea. Golan-Bac, M., et al. (1984, 11p., eng) 39-538
- Some characteristics of the friction layer near rough
surfaces in the sea. Doronin, I.U.P., et al. (1984, p.177-
180, eng) 39-702
- Concrete mix strengthens Arctic seabed. (1984, p.102-
105, eng) 39-814
- Ice scoring off Pullen Island, Beaufort Sea. Shearer, J.,
(1979, 28p. + append., eng) 39-993
- Creep deformation of slope sediments in the Canadian
Beaufort Sea. Hill, P.R., et al. (1982, p.163-170, eng) 39-1043
- Cosmo-geological methods of investigating the Arctic.
Lopatyn, B.G., ed. (1984, 108p., rus) 39-1107
- Interpretation of anomalies on spaceborne photographs of
Arctic Ocean bottom. Gurevich, V.I., et al. (1984,
p.94-108, rus) 39-1111
- Sediments of the Barents shelf and the glacial history.
Solheim, A., et al. (1984, 26p., eng) 39-1225
- XSP cone penetrometer: a performance evaluation.
Beard, R.M., et al. (1984, 58p., eng) 39-1355
- Underwater pings of the Beaufort Sea—a review.
Gendzwil, D.J., (1983, p.1-9, eng) 39-1747
- Deployment of Beaudril Molikpak at Tarsuit. Jefferies,
M.G., et al. (1984, 32p. + figs., eng) 39-1854
- Pack ice interaction with Stamukhi Shoal, Beaufort Sea,
Alaska. Reimnitz, E., et al. (1984, p.159-183, eng) 39-1875
- Ice gouging characteristics and processes. Barnes, P.W.,
et al. (1984, p.185-212, eng) 39-1876
- Some probabilistic aspects of ice gouging on the Alaskan
Shelf of the Beaufort Sea. Weeks, W.F., et al. (1984,
p.213-236, eng) 39-1877
- Technology of studying sea bottom. Lukoshkov, A.V.,
(1984, 262p., rus) 39-2041
- Subsea permafrost distribution on the Alaskan shelf.
Sellmann, P.V., et al. (1984, p.75-82, eng) 39-2131
- Subsea permafrost and petroleum development. Jahns,
H.O., (1984, p.90-92, eng) 39-2134
- Evidence of ice rafting and tractive transfer in cores from
Queen Charlotte Sound, British Columbia. Conway,
K.W., et al. (1985, p.703-708, eng) 39-2334
- Mooring and anchoring in ice-infested waters. Owen,
D.G., et al. (1985, p.424-431, eng) 39-2383
- Protection of Arctic submarine pipelines against ice scour.
Nessim, M.A., et al. (1985, p.610-617, eng) 39-2385
- Some factors influencing iceberg scour estimates. Prasad,
K.S.R., et al. (1985, p.302-309, eng) 39-2428
- Landast imagery for sediments in Prudhoe Bay, Alaska.
Stringer, W.J., et al. (1984, p.16-21, eng) 39-2871
- Gas hydrates, prevention of their formation and their
utilization. Makogon, I.U.F., (1985, 232p., rus) 39-2878
- Hydrocarbons in sediments of the Alaskan Outer
Continental Shelf. Venkatesan, M.I., et al. (1982,
p.2135-2149, eng) 39-2902
- Geotechnical features of Fur Seal Island design. Luscher,
U., et al. (1985, p.39-47, eng) 39-3161
- Oceanwheel artificial island. Capron, M.E., (1985, p.57-
65, eng) 39-3163
- Soil tests from moving ice in the Arctic offshore.
Mahar, L.J., et al. (1985, p.169-177, eng) 39-3169
- Risk assessment of sea bottom scouring using fuzzy set
theory. Thiel, C.C., Jr., et al. (1985, p.430-438, eng) 39-3192
- Properties of frozen marine soils. Stuckert, B.J.A., et al.,
(1985, p.575-583, eng) 39-3206
- Strudel scour: an Arctic seafloor scouring process.
Johnson, T.L., (1985, p.745-753, eng) 39-3219
- Technical considerations for Beaufort Sea pipelines.
Weidler, J.B., et al. (1985, p.774-782, eng) 39-3222
- Directional drilling to install Arctic marine pipelines.
Peebles, E.E., (1985, p.783-791, eng) 39-3223
- Pipeline landfill construction by horizontal drilling. Hair,
J.D., (1985, p.792-800, eng) 39-3224
- Gravity foundations in very soft Arctic soils. Rojansky,
M., et al. (1985, p.1027-1048, eng) 39-3241
- Foundations and time-dependent ice loadings. Williams,
D.R., et al. (1985, p.1063-1074, eng) 39-3242
- Improving Arctic seafloor soil stability. Mitchell, J.K.,
(1985, p.1084-1092, eng) 39-3244
- Inner shelf of the Chukchi Sea, Alaska, summer, 1982.
Reas, T.E., et al. (1984, 3p. + 9 figs., eng) 39-3390
- Landast data for sediment dispersal in the Beaufort Sea.
Perrott, T., et al. (1984, p.283-291, eng) 39-3444
- Small scale tests of sea bottom ice scouring. Abdelnour,
R., et al. (1984, p.267-279, eng) 39-3487
- Iceberg scour: what do they really look like.
Woodworth-Lynas, C.M.T., et al. (1985, p.10-14, eng) 39-3553
- Workshop on ice scouring, 15-19 February 1982. (1985,
251p. + append., eng) 39-3752
- Correlation between an ice ridge and sea bed geologic
boundary. Barnes, P.W., et al. (1985, p.169-184, eng) 39-3763
- Ice gouge in relation to sea-ice zonation, Beaufort Sea.
Barnes, P.W., et al. (1985, p.185-219, eng) 39-3764
- Ice scoring on NE Grand Banks, Newfoundland. Amos,
C.L., et al. (1985, p.220-221, eng) 39-3765
- Ocean bottom during the ice age. Matishov, G.G.,
(1984, 176p., rus) 39-3951
- Ocean currents
- Ice floe tracing of oceanic currents. Ginzburg, A.I., et al.,
(1984, p.481-484, rus) 39-149
- Peculiarities of year-to-year variations in water circulation
in the Arctic Basin. Belikov, L.N., et al. (1984,
p.946-949, rus) 39-156
- Satellite techniques of studying ocean dynamics.
Fedorov, K.N., (1984, p.3-13, rus) 39-157
- Cryospheric impacts of Soviet river diversion schemes.
Holt, T., et al. (1984, p.61-68, eng) 39-174
- Eddy z. the edge of the East Greenland Current. Smith,
D.C., IV, et al. (1984, p.8205-8208, eng) 39-218
- Weddell polynya as a consequence of hydrophysical
processes in the Weddell circulation. Bagriantsev, N.V.,
et al. (1984, p.1238-1242, rus) 39-375
- Estimate of the mean field of Arctic sea ice motion.
Colony, R., et al. (1984, p.10,623-10,629, eng) 39-970
- Current, temperature and salinity beneath George VI Ice
Shelf. Loynes, J., et al. (1984, p.1037-1055, eng) 39-1004
- Water masses and circulation in the region of Prydz Bay,
Antarctica. Smith, N.R., et al. (1984, p.1121-1147,
eng) 39-1005
- Ocean currents and temperatures in the center of Fram
Strait during MIZEX 83. Hunkins, K., (1984, p.47-51,
eng) 39-1129
- Marine environment. Foster, T.D., (1984, p.345-371,
eng) 39-1187
- Variability of atmospheric circulation at the surface of the
South Pacific Ocean in summer. Loon, H. van, (1984,
p.63-72, eng) 39-1500
- Modeling the oceanic environment of West Antarctica.
Semtner, A.J., Jr., (1984, p.197-211, eng) 39-1508
- Potential effect of CO2 warming on sub-ice-shelf
circulation and basal melting. MacAycal, D.R., (1984,
p.212-221, eng) 39-1509
- Iceberg drift defines antarctic ocean circulation. Tchernia,
P., et al. (1984, p.263-269, eng) 39-1822
- Tidal currents and eddy statistics from iceberg trajectories
off Labrador. Garrett, C., et al. (1985, p.1333-1335,
eng) 39-1941
- Ice-induced vertical circulation in an Arctic fiord. Horne,
E.P.W., (1985, p.1078-1086, eng) 39-2362
- Eddy studies during MIZEX 83 by ship and remote
sensing. Johannessen, O.M., et al. (1984, p.365-368,
eng) 39-2539
- On the Bering Sea ice edge front. Muench, R.D., et al.,
(1985, p.3185-3197, eng) 39-2735
- Eddy heat flux measurements in Drake Passage. Nowlin,
W.D., Jr., et al. (1985, p.3305-3324, eng) 39-2736
- Thermohaline circulation in the Arctic mediterranean seas.
Aagard, K., et al. (1985, p.4833-4846, eng) 39-3430
- East Greenland polar front in autumn. Paquette, R.G., et
al. (1985, p.4866-4882, eng) 39-3432
- Mesoscale eddies of the Arctic Ocean. Manley, T.O., et
al. (1985, p.4911-4930, eng) 39-3433
- Calculations of large-scale circulation of waters in the
Arctic Basin from a diagnostic model. Ponomarev, V.I.,
(1984, p.78-91, eng) 39-3654
- Model of ocean currents in the Arctic Basin. Benzeman,
V.I., (1984, p.92-101, eng) 39-3655
- Subsurface currents in the Arctic Ocean. Belikov, L.N.,
et al. (1984, p.9-18, eng) 39-3659
- Variability of depth of occurrence and temperature of
Pacific waters. Blinov, N.I., et al. (1984, p.135-141,
eng) 39-3666
- Ice edge eddy dynamics in the East Greenland Current.
Cowan, A.M., et al. (1985, p.1945-1954, eng) 39-3714
- Oceanographic cruise to the Greenland Sea, Aug-Sep
1984. Bourke, R.H., et al. (1985, 28p. + charts, eng) 39-3896
- Ocean bottom during the ice age. Matishov, G.G.,
(1984, 176p., rus) 39-3951
- See also: Tidal currents
- Ocean environments
- Oil spill elimination by bacteria. Potapova, M.I., et al.,
(1984, p.68-74, rus) 39-472
- Sea and ocean level fluctuations for 15,000 years. Kaplan,
P.A., ed. (1982, 230p., rus) 39-754
- Origin of "inundated shore lines" of glaciated North
Atlantic shelves. Grosvald, M.G., (1982, p.125-133,
rus) 39-757
- Cosmo-geological methods of investigating the Arctic.
Lopatyn, B.G., ed. (1984, 108p., rus) 39-1107
- Interpretation of anomalies on spaceborne photographs of
Arctic Ocean bottom. Gurevich, V.I., et al. (1984,
p.94-108, rus) 39-1111
- Offshore Environment of east coast hydrocarbon
development. (1980, var. p., eng) 39-1311
- Physical environment in which offshore development will
take place. Allen, J., (1980, [10p., eng) 39-1312
- Hydroacoustic techniques for research and exploitation of
the ocean. Bogorodskii, A.V., et al. (1984, 264p., rus) 39-1667
- Modeling the system atmosphere-ocean-large ice sheets.
Verbitskii, M.I.A., et al. (1984, p.198-200, eng) 39-2195
- Thermodynamic model of seasonal evolution of the ocean-
atmosphere system. Kagan, B.A., et al. (1984, p.201-
204, eng) 39-2196
- Was there a Panarctic ice sheet during the Pleistocene?
Nesis, K.N., (1984, p.300-307, eng) 39-2549
- Gas hydrates, prevention of their formation and their
utilization. Makogon, I.U.F., (1985, 232p., rus) 39-2878
- Detection of gas hydrate horizons in World Ocean.
Ginsburg, G.D., et al. (1984, p.141-158, rus) 39-3058
- Chemical composition of bottom deposits in coastal areas
of the Kara Sea. Anisimova, N.P., et al. (1985, p.71-
78, rus) 39-3358
- Course in general geophysics. Fundamentals of
oceanology. Gusev, A.M., (1983, 247p., rus) 39-3525
- Sound and the sea. Klukin, I.I., (1984, 145p., rus) 39-3590
- Ocean bottom during the ice age. Matishov, G.G.,
(1984, 176p., rus) 39-3951
- Suspended sediments in Cook Inlet and Shelikof Strait,
Alaska. Feely, R.A., et al. (1982, 28p., eng) 39-3955
- Ocean waves
- Theoretical, laboratory, and field study of ice-coupled
waves. Squire, V.A., (1984, p.8069-8079, eng) 39-215
- Wave attenuation by floating ice. Popov, B.A., (1984,
p.58-60, rus) 39-581
- Role of extreme natural processes in the development of
coastal landscapes of the Sea of Okhotsk. Stepanova,
L.E., (1984, p.49-53, rus) 39-671
- Rational approach to ship strength problems. Varsta, P.,
(1984, p.9-30, eng) 39-1096
- Ship strength analysis and strength criteria. Kujala, P., et
al. (1984, p.123-147, eng) 39-1097
- Special features of multihull vessels, design concepts of a
Catamaran. Terje, P., (1984, p.149-156, eng) 39-1098
- Special features of multihull vessels. Valanto, P., (1984,
p.157-176, eng) 39-1099
- Arctic whitecapping: preliminary results. Monahan, E.C.,
et al. (1984, p.53-56, eng) 39-1130
- On the critical angle for ocean waves entering shore fast
ice. Squire, V.A., (1984, p.59-68, eng) 39-1622
- Interaction of Stokes' edge waves with near-shore ice
formation. Shaw, R.P., et al. (1984, p.227-229, eng) 39-1679
- How waves break up inshore fast ice. Squire, V.A.,
(1984, p.281-285, eng) 39-1823
- SAR imaging of waves in water and ice: evidence for
velocity bunching. Lyzenga, D.R., et al. (1985,
p.1031-1036, eng) 39-2360
- Scientific/operational support to the Soviet Antarctic
Expedition studies. Romanov, A.A., (1983, p.89-93,
eng) 39-2598
- Arctic island construction. Robertson, F.P., (1985, p.48-
56, eng) 39-3162
- Fatigue damage for reinforced concrete offshore structures.
Shah, S.P., (1985, p.671-679, eng) 39-3214
- Arctic sea water intake for sedimentation and wave effects.
Cox, J.C., et al. (1985, p.714-722, eng) 39-3217
- Design, installation, and performance of a berm-supported
exploration structure in the Beaufort Sea. Hewitt, K.J.,
et al. (1985, p.188-194, eng) 39-3288
- Oceanographic ships
- Physical phenomena and properties of oceans.
Plakhotnik, A.F., (1984, 232p., rus) 39-2055
- RV *Polarstern*: Polar research and supply vessel of the
F.R.G. Bungenstock, H., et al. (1983, p.115-118, eng) 39-2602
- Japanese icebreaker *Shirase*. Kusunoki, K., (1983, p.119-
126, eng) 39-2603
- South African research/resupply vessel *S. Agulhas*.
Leith, B., (1983, p.137-139, eng) 39-2607
- Oceanographic surveys
- Hydroacoustic techniques for research and exploitation of
the ocean. Bogorodskii, A.V., et al. (1984, 264p., rus) 39-1667
- Physical phenomena and properties of oceans.
Plakhotnik, A.F., (1984, 232p., rus) 39-2055
- Oceanography
- Prudhoe Bay Waterflood Project; Environmental
monitoring program 1983. (1984, 3 vols., eng) 39-154
- Beaufort Sea Meteorological and Oceanographic Program
(BEAUMOP). 1978. (1979, 23p. + append., eng) 39-388
- Cold ocean engineering bibliography. Goodwin, C.R., ed.,
(1984, 169p., eng) 39-395
- Problems of polar oceanology. Treshnikov, A.F., et al.,
(1984, p.38-53, rus) 39-1133
- Filchner-Ronne Ice Shelf programme. Report 1 (1984).
Kohnen, H., comp. (1985, 38p., eng) 39-1528
- German Arctic expedition, 1984. Augstein, E., et al.,
(1984, 192p., eng) 39-1949
- Physical phenomena and properties of oceans.
Plakhotnik, A.F., (1984, 232p., rus) 39-2055
- Marginal ice zone experiment (1984, p.22-27, eng) 39-2276

Oceanography (cont.)

- Subsea equipment "Marriage" is top ROV priority. Redden, J., (1985, p.55-57, eng) 39-2511
- Marginal ice zone bibliography. Brennan, A., comp. (1985, p.29-187, eng) 39-3639
- Problems of the Arctic and the Antarctic, Vol.56. Treshnikov, A.F., ed. (1985, 159p., eng) 39-3658
- Variability of depth of occurrence and temperature of Pacific waters. Blinov, N.I., et al. (1984, p.135-141, eng) 39-3666
- Problems of the Arctic and Antarctic, Vol.57, 1977. Treshnikov, A.F., ed. (1985, 142p., eng) 39-3667
- Quaternary and present environments of northeastern Canada. Jacobs, J.D., et al. (1985, p.26-68, eng) 39-3932
- Offshore drilling**
- Challenge of the Arctic offshore—an introduction. Gerwick, B.C., Jr., (1984, p.3-4, eng) 39-571
- Past and future developments in Arctic structures. Bruce, J., (1984, p.39-44, eng) 39-576
- Arctic hydrocarbon transportation systems in the 21st century. Lanan, G.A., et al. (1984, p.45-53, eng) 39-577
- Drilling and production platforms for Arctic offshore development. Gerwick, B.C., Jr., (1984, p.182-185, eng) 39-663
- Environmental concerns related to offshore drilling and production. (1980, 63p., eng) 39-728
- International Conference on Oil and the Environment, Halifax, 1982, (1983, 274p., eng) 39-730
- Beaufort Sea—new generation drilling system. Wearing, J.K., (1984, p.50-55, eng) 39-739
- Ice management to support the Kulluk drilling vessel. Hnatuk, J., et al. (1984, p.40-46, eng) 39-1145
- Oil and gas development concepts, Sable Island and Hybernia. Romanaki, W., (1980, 38p., eng) 39-1313
- Interaction of oil with sea ice in an offshore environment. Topham, D., (1980, 23p., eng) 39-1314
- Floating drilling rigs designed for the North. Gudze, A.A., et al. (1984, p.3-4, eng) 39-1336
- API bulletin on planning, designing, and constructing fixed offshore structures in ice environments. (1982, 49p., eng) 39-1383
- API recommended practice for planning, designing, and constructing fixed offshore platforms. (1984, 115p., eng) 39-1384
- Gulf Canada's Beaufort Sea drilling system. (1982, p.20-23, eng) 39-1475
- Offshore drilling boom expanding in Alaska. (1985, p.64-66, eng) 39-1726
- Barite from drilling fluids in the Beaufort Sea. Macdonald, R.W., (1984, p.29-49, eng) 39-1825
- Arctic Offshore Technology Conference, 1984. (1984, var.p., eng) 39-1845
- Kulluk extends the Arctic offshore drilling season. Frankovich, E.W., (1984, 17p. + figs., eng) 39-1846
- Caisson Retained Island (CRI) the first year of operation. Comyn, M.I., (1984, 12p., eng) 39-1847
- Design, construction and deployment of a concrete island drilling system the Glenora Beaufort Sea I. Wetmore, S.B., et al. (1984, 39p., eng) 39-1848
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- New approach to relief well drilling in the Canadian Beaufort Sea. Scott, W.A., et al. (1984, 45p., eng) 39-1852
- Superbeacon Syledis: an experience with large integrated positioning drilling systems in the Canadian Beaufort Sea. Green, J.M., (1984, 12p., eng) 39-1853
- Thermal design aspects of a mobile Arctic drilling platform. Richardson, D.W., et al. (1984, 14p. + figs., eng) 39-1857
- Sonat Hybrid Arctic Drilling Structure—SHADS. (1984, 13p., eng) 39-1861
- Mobile Arctic Island (MAI) for drilling and production. Bertie, E.M., et al. (1984, 42p., eng) 39-1862
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- Mobile concrete island drilling system for arctic offshore operations. Wetmore, S.B., et al. (1984, p.1-11, eng) 39-1911
- Good results, advanced fleet bring Gulf to Arctic forefront. Cottrill, A., (1984, p.24-31, eng) 39-1939
- Arctic technology awaiting big discovery. Machevich, J.L., (1985, p.41-43, eng) 39-1943
- Arctic report. (1985, p.44-61, eng) 39-1944
- Technology of studying sea bottom. Lukoshov, A.V., (1984, 262p., rus) 39-2041
- Offshore Mechanics and Arctic Engineering Symposium, 4th, 1985, (1985, 2 vols., eng) 39-2381
- On some Arctic drilling units recently constructed in Japan. Kitagawa, H., et al. (1985, p.75-81, eng) 39-2399
- Effective deepwater drilling/production structure for the Beaufort Sea. Padron, D.V., et al. (1985, p.90-97, eng) 39-2480
- Construction and quality assurance for super-CIDS. LaFrough, R.W., et al. (1985, p.98-104, eng) 39-2401
- Design, installation, and performance of a berm supported exploration structure in the Beaufort Sea. Hewitt, K.J., et al. (1985, p.105-113, eng) 39-2402
- Description of some concepts for exploratory drilling in Sub-Arctic and Arctic waters. Marthinsen, A., et al. (1985, p.143-154, eng) 39-2407
- German ice technology. Redder, J., ed. (1985, p.217-238, eng) 39-3037
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- Overview of artificial island design and construction in the Arctic. Wang, J.L., et al. (1985, p.28-38, eng) 39-3160
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- SHADS: mobile Arctic drilling platform. Stedum, R.E., et al. (1985, p.498-506, eng) 39-3199
- Santa Fe's mobile Arctic drilling barge. Johnson, G.L., et al. (1985, p.507-516, eng) 39-3200
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- Arctic drilling and production platform concept. Engel, D.J., et al. (1985, p.1131-1147, eng) 39-3248
- Beaufort Sea deepwater production structure. Padron, D.V., et al. (1985, p.1148-1156, eng) 39-3249
- Arctic ocean engineering for the 21st century; Proceedings. (1985, 234p., eng) 39-3326
- Canadian perspective on Arctic offshore operations. Croasdale, K.R., (1985, p.50-54, eng) 39-3329
- Arctic work systems. Brigham, L.W., (1985, p.67-71, eng) 39-3330
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- Arctic report. (1985, p.44-61, eng) 39-1944
- Geotechnical and engineering significance of subsea permafrost. Hayley, D.W., (1984, p.93-95, eng) 39-2135
- Offshore Mechanics and Arctic Engineering Symposium, 4th, 1985. (1985, 2 vols., eng) 39-2381
- Interaction of waves with cylindrical bodies in ice-covered seas. Owen, D.G., et al. (1985, p.334-342, eng) 39-2382
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- Construction and quality assurance for super-CIDS. LaFrough, R.W., et al. (1985, p.98-104, eng) 39-2401
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- Arctic work systems. Brigham, L.W., (1985, p.67-71, eng) 39-3330
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- Oil
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- Oil industry
- See: Petroleum industry
- Oil recovery
- International Conference on Oil and the Environment, Halifax, 1982. (1983, 274p., eng) 39-730
- Oil and gas technologies for the Arctic and deepwater. (1985, 227p., eng) 39-3087
- Oil spills
- Oil spill elimination by bacteria. Potapova, M.I., et al. (1984, p.68-74, rus) 39-472
- Remote sensing: a tool for northern development. Pallister, J., (1984, p.16-21, eng) 39-541
- Oil spills: damage and recovery in tundra and taiga. Linkins, A.E., et al. (1984, p.135-155, eng) 39-1180
- Interaction of oil with sea ice in an offshore environment. Topham, D., (1980, 23p., eng) 39-1314
- Beaufort Sea ice motions. Pritchard, R.S., (1984, p.95-113, eng) 39-1872
- Interaction of oil and arctic sea ice. Thomas, D.R., (1984, p.441-460, eng) 39-1884
- Oil pollution in the Antarctic. Thomson, R.B., (1983, p.523-535, eng) 39-2628
- Oilspill response technology for the Arctic. Shafer, R.V., (1985, p.354-361, eng) 39-3185
- Arctic spills in relationship to sea ice motion. Denner, W.W., et al. (1985, p.878-887, eng) 39-3228
- Arctic work systems. Brigham, L.W., (1985, p.67-71, eng) 39-3330
- Antarctic marine environments and offshore oil. Keys, J.R., (1984, 168p., eng) 39-3425

Oil transportation

See: Petroleum transportation

Oil wells

Drilling and casing-off wells in permafrost regions.

Bibliography. Panina, T.I., [1983, 45p., rus] 39-1441

Radial stresses acting on well walls at different depths

during freezing of fluids in caverns. Antipov, V.I., et al,

[1984, p.27-28, rus] 39-1836

Possible applications of foam cements in protecting the

environment in connection with well drilling.

Bakshutov, V., [1984, p.208-210, eng] 39-2158

Determining soil properties by electric cone penetrometer.

Aust, J.A., et al, [1985, p.144-152, eng] 39-3168

Production well through sediments containing gas

hydrates. Wittebolle, R.J., et al, [1985, p.178-184,

eng] 39-3170

Influence of subzero temperatures on the properties of

retroactive emulsions. Glushchenko, V.N., et al, [1984,

p.39-42, rus] 39-3305

Oil-gas field development under northern conditions.

Kuznetsova, O.L., [1984, p.11-15, rus] 39-3307

Peculiarities of casing crumpling in producing wells in the

frozen rock interval. Medvedskii, R.I., et al, [1985,

p.30-35, rus] 39-3549

Ontario, Lake

Lake Ontario basin (U.S.A.-Canada) runoff modeling.

Croley, T.E., II, [1983, p.101-121, eng] 39-564

Operating costs

See: Cost analysis

Optical phenomena

Anthelic arcs from airborne ice crystals. Greenler, R.G.,

et al, [1984, p.339-343, eng] 39-2356

Comparison of smoke and obscuring microscale physical

characteristics in summer and winter environments.

Farmer, W.M., et al, [1984, p.399-403, eng] 39-2978

Optical properties

Lidar measurements from the SNOW-ONE-B field

experiment. DeLateur, S.A., et al, [1983, p.239-247,

eng] 39-1959

Smoke trials, SNOW-ONE-B. [1983, p.279-284, eng]

39-1961

Catalog of smoke/obscuring characterization instruments.

O'Brien, H.W., et al, [1984, p.77-82, eng] 39-2950

Particle size and optical turbulence measurements in a

snow environment. Olsen, R.O., et al, [1984, p.89-94,

eng] 39-2952

System for the point measurement of airborne snow

extinction coefficient. Hutt, D.L., et al, [1984, p.113-

120, eng] 39-2955

See also: Albedo; Ice crystal optics; Ice optics; Snow optics

Organic nuclei

Air-sea interactions over the Ross Sea in the surface

boundary layer. Saxena, V.K., et al, [1983, p.241-243,

eng] 39-648

Organic soils

Cryogenesis and the formation of soil. Khudiakov, O.I.,

[1984, 16p., rus] 39-28

Regional characteristics of soil formation in monsoon areas

after forest fires. Sapozhnikov, A.P., [1982, p.117-124,

rus] 39-31

Improving the thermal regime of frozen peat.

Korekhtsev, A.S., [1984, p.67-69, rus] 39-319

Cryogenic brown soils of Sikhote Alin'. Surina, N.I., et

al, [1984, p.10-19, rus] 39-443

Geochemistry of iron in southern taiga soils. Sizov, A.P.,

[1984, p.81-84, rus] 39-445

Sustained strength of peat at subzero temperatures.

Lishtvan, I.I., et al, [1984, p.13-16, rus] 39-801

Cryogenic processes and phenomena in Siberia.

Nekrasov, I.A., ed, [1984, 164p., rus] 39-832

Structure, functional organization and dynamics of swamp

ecosystems in Karelia. Elina, G.A., et al, [1984, 128p.,

rus] 39-1175

Land reclamation problems in the Magadan area.

Talyzin, I.U.I., [1984, p.31-33, rus] 39-1301

Soil formation in southern taiga. Dvornikova, L.L.,

[1984, p.73-79, rus] 39-1304

Humus in alpine soils. Biriukova, O.N., et al, [1984,

p.43-53, eng] 39-1638

Infiltration parameters in the Gerkhozansu mudflow basin

(northern Caucasus). Moskaliev, E.L., et al, [1984,

p.77-84, rus] 39-1708

Local contrasts in geosystems. Kapiisa, A.P., ed, [1977,

206p., rus] 39-1897

Engineering and geological research in construction on

weak ground. Rubinshtein, A.I.A., et al, [1984, 108p.,

rus] 39-1932

Efficient control of embankment thickness in construction

on swamps. Iaromko, V.N., [1984, p.4-5, rus] 39-2107

Blasting technique for building embankments in swamps.

Smirnov, A.G., et al, [1984, p.12-13, rus] 39-2108

Industrial activities and water content of taiga rivers in the

European USSR and Siberia. Krestovskii, O.I., [1984,

p.79-94, rus] 39-2346

Symposium on the use of mathematical modeling in

ecological investigations of forests and swamps. Aug. 21-

23, 1984. Summaries. [1984, 136p., rus] 39-2580

Ecologic diversity of drained forests. Bush, K.K., [1984,

p.36-38, rus] 39-2584

Modeling water regime of peat soils in drained forests.

Shita, I.U.E., [1984, p.116-120, rus] 39-2590

Peat bogs, their natural and economic significance.

Pivachenko, N.I., [1985, 152p., rus] 39-3592

Ways of controlling the fertility of developed peat soils in

northern Europe. Sin'kevich, E.I., [1985, 267p., rus] 39-3593

Nitrogen cycle in peat bog soils. Bursakov, S.A., et al,

[1985, p.50-54, rus] 39-3729

Length of peat mining season in cold regions. Petrovskii,

E.E., et al, [1984, p.5-9, rus] 39-3767

Year-round production of peat in permafrost areas.

Aleksandrov, B.M., [1985, p.13-15, rus] 39-3770

Influence of pre-winter compaction of peat deposits on

moisture accumulation in a seasonally freezing layer.

Ispirian, R.A., et al, [1985, p.8-10, rus] 39-3771

Preservation and stability of mountain landscapes in inner

Asia. Mikhailov, I.S., et al, [1984, p.17-23, rus] 39-3808

Classification of soils according to the difficulty of their

removal by single-bucket loaders. Maslov, V.A., et al,

[1984, p.8-10, rus] 39-3875

Organizations

CODATA directory of data sources for snow and ice.

Barry, R.G., ed, [1984, 87p., eng] 39-143

Some advance in the research of the Lanzhou Institute of

Glaciology and Cryopedology (1981-1982). Shi, Y., et

al, [1983, p.63-66, chp] 39-268

Orientation

See: Slope orientation

Origins

Origin of "inundated shore lines" of glaciated North

Atlantic shelves. Grosvald, M.G., [1982, p.125-133,

rus] 39-757

On the origin of the ice ages. Oerlemans, J., [1982,

p.607-611, eng] 39-1990

Oscillations

Statistical synoptic method of forecasting level oscillations

in the southeastern Laptev Sea. Vanda, I.U.A., [1984,

p.25-32, eng] 39-3647

See also: Vibration

Oxygen isotopes

Isotope distribution and glaciology of the Schirmacher

Ponds region. Hermichen, W.D., et al, [1984, p.87-

102, eng] 39-129

Reconstructing Pleistocene climatic change from the

oxygen isotope composition of sediments: a review.

Covey, C., [1984, p.43-46, eng] 39-170

Oxygen isotopic ratios of some Himalayan glaciers.

Nijampurkar, V.N., et al, [1984, p.300-302, eng] 39-596

Model of oxygen isotope composition of snow. Covey,

C., et al, [1984, p.4647-4655, eng] 39-760

Isotopic effects during snow formation. Jouzel, J., et al,

[1984, p.11,749-11,757, eng] 39-1407

Mass balance of a melting ice shelf. Potter, J.R., et al,

[1984, p.161-170, eng] 39-1671

Climatic changes in the Late Quaternary. Wright, H.E.,

Jr., [1984, p.91-131, eng] 39-2568

Late-Glacial climatic history from ice cores. Oeschger,

H., et al, [1983, p.95-107, eng] 39-3146

Pack ice

Surface roughness of Ross Sea pack ice. Govoni, J.W., et

al, [1983, p.123-124, eng] 39-16

Elemental compositions and concentrations of

microspherules in snow and pack ice from the Weddell

Sea. Kumai, M., et al, [1983, p.128-131, eng] 39-307

Relative abundance of diatoms in Weddell Sea pack ice.

Clarke, D.B., et al, [1983, p.181-182, eng] 39-310

Oceanography of the antarctic marginal ice zone. Smith,

W.O., et al, [1983, p.190-192, eng] 39-311

Sea ice data buoys in the Weddell Sea. Ackley, S.F., et

al, [1984, 18p., eng] 39-384

Macrofeatures of the stressed state of ice cover.

Kupetski, V.N., [1984, p.17-23, eng] 39-683

Block structure of the ice cover. Borodachev, V.E.,

[1984, p.24-26, eng] 39-684

Meostraints in an ice cover. Loshchilov, V.S., [1984,

p.27-33, eng] 39-685

Effect of summer ice on ship speed. Borodachev, V.E.,

[1984, p.34-40, eng] 39-686

Stresses in a compact ice cover. Timokhov, L.A., [1984,

p.41-50, eng] 39-687

Tensor analysis of stresses acting on pack ice. Efimov,

V.A., [1984, p.51-58, eng] 39-688

Physical methods of studying the stressed state of ice

cover. Bogorodskii, V.V., et al, [1984, p.59-70, eng] 39-689

Pressure ridges in Arctic pack ice. Gavrilov, V.P., et al,

[1984, p.71-78, eng] 39-690

Regularities of the geometry of ice field breakup.

Borodachev, V.E., [1984, p.79-91, eng] 39-691

Variability of the state of disintegration of ice. Gorbunov,

I.U.A., et al, [1984, p.92-98, eng] 39-692

Frictional characteristics of sea ice. Gavrilov, V.P., [1984,

p.111-117, eng] 39-694

Ice cover oscillations caused by free internal gravity waves.

Savchenko, V.G., [1984, p.118-122, eng] 39-695

Horizontally uniform wind drift of variously parked ice.

Timokhov, L.A., [1984, p.123-135, eng] 39-696

Computation of the influence of fragmentation on ice

distribution. Priamnikov, S.M., et al, [1984, p.136-142,

eng] 39-697

Unsteady wind drift of sea ice. Doronin, I.U.P., et al,

[1984, p.143-150, eng] 39-698

Calculating the wind component for Arctic ice drift.

Sychev, V.I., [1984, p.151-158, eng] 39-699

Studying sea ice drift by radar. Gorbunov, I.U.A., et al,

[1984, p.159-168, eng] 39-700

Water resistance caused by the bottom relief of ice packs.

Nikiforov, E.G., et al, [1984, p.169-176, eng] 39-701

Some characteristics of the friction layer near rough

surfaces in the sea. Doronin, I.U.P., et al, [1984, p.177-

180, eng] 39-702

Calculating wind-drift of sea ice. Romanov, V.F., [1984,

p.191-206, eng] 39-704

Force of air friction against ice. Karelin, I.D., et al,

[1984, p.207-219, eng] 39-705

Choanoflagellates in the antarctic ocean. Hara, S., et al,

[1984, p.1-13, eng] 39-1067

Navigation methods for extremely dangerous ice

conditions. Polunin, F., et al, [1984, p.28-33, rus] 39-1563

Pack ice interaction with Stamukhi Shoal, Beaufort Sea,

Alaska. Reimnitz, E., et al, [1984, p.159-183, eng] 39-1875

Minke whaling by the Japanese in 1982-83. Shimadzu,

Y., et al, [1984, p.357-359, eng] 39-1913

Pack ice edge data from Japanese catcher boats in the

Antarctic. Shimadzu, Y., et al, [1984, p.361-363, eng] 39-1914

Reflected solar radiances from regional scale scenes.

Davis, J.M., et al, [1982, p.1698-1712, eng] 39-2218

Special colour enhancement for three channels having

similar radiances. Thomas, I.L., et al, [1984, p.753-

760, eng] 39-2354

Landsat imagery for sediments in Prudhoe Bay, Alaska.

Stringer, W.J., et al, [1984, p.16-21, eng] 39-2871

Determination of packing density of sea ice from satellite

photographs. Aleksandrov, V.I.U., et al, [1985, p.5-11,

rus] 39-3104

Secular variations in cyclone frequencies near the Drake

Passage, Southwest Atlantic. Mayes, P.R., [1985,

p.5829-5839, eng] 39-3532

Heat and moisture advection over antarctic sea ice.

Andreas, E.L., [1985, p.736-746, eng] 39-3554

Paints

See: Protective coatings

Pakistan

—Hunza River

Geomorphology of the Hunza Valley, Karakoram

Mountains, Pakistan. Goudie, A.S., et al, [1984, p.359-

410, eng] 39-2319

Recent fluctuations in some glaciers of the Western

Karakoram Mountains, Hunza, Pakistan. Goudie, A.S.,

et al, [1984, p.411-455, eng] 39-2320

Quaternary glacial history of the Hunza Valley, Karakoram

Mountains, Pakistan. Derbyshire, E., et al, [1984,

p.456-495, eng] 39-2321

Glacial and paraglacial sediments of the Hunza Valley,

North West Karakoram, Pakistan: a preliminary analysis.

Li, J., et al, [1984, p.496-535, eng] 39-2322

Sediment load of the Hunza River. Ferguson, R.I.,

[1984, p.581-598, eng] 39-2323

Paleobotany

Paleoecography of the southern ocean. Burckle, L.H.,

[1984, p.241-261, eng] 39-954

- Nivation hollows and glacial cirques in Söderåsen, Scania, South Sweden. Rapp, A., (1984, p.11-28, eng) 39-456
- Reykjavik Symposium and Central Highlands Field Excursion, 1982. (1983, 107p., eng) 39-458
- Seabed processes on the NE Grand Banks, Newfoundland. Barrie, J.V., et al., (1984, p.209-227, eng) 39-502
- Paleoglaciology in Antarctica. Bardin, V.I., (1984, p.155-164, eng) 39-555
- Tropical glaciers: potential for ice core paleoclimatic reconstructions. Thompson, L.G., et al., (1984, p.4638-4646, eng) 39-759
- Model of oxygen isotope composition of snow. Covey, C., et al., (1984, p.4647-4655, eng) 39-760
- Canada's last great ice sheet. Dyke, A.S., et al., (1983, p.6-8, eng) 39-780
- Glaciers of Bylot Island: a window on the past. Bélanger, J.R., et al., (1983, p.10-13, fre) 39-781
- Re-evaluation of pollen-climate transfer functions in Keewatin, northern Canada. Kay, P.A., et al., (1983, p.550-559, eng) 39-864
- Microparticles in ice cores from Antarctica and Greenland. Thompson, L.G., (1984, p.25-32, chi) 39-931
- Preliminary study on Quaternary climate in China. Guo, X., (1984, p.49-59, chi) 39-933
- Dynamics of Late Quaternary permafrost in Siberia. Baulin, V.V., et al., (1984, p.69-77, eng) 39-1056
- Late Pleistocene permafrost in European USSR. Velichko, A.A., et al., (1984, p.79-86, eng) 39-1057
- Holocene permafrost in the USSR. Baulin, V.V., et al., (1984, p.87-91, eng) 39-1058
- Periglacial landscapes of the East European plain. Velichko, A.A., et al., (1984, p.95-118, eng) 39-1059
- Periglacial landscapes and loess accumulation in the Late Pleistocene Arctic and Subarctic. Tomirdaro, S.V., (1984, p.141-145, eng) 39-1061
- Soluble and insoluble impurities in Vostok ice core and climatic implications. De Angelis, M., et al., (1984, p.215-239, eng) 39-1132
- Sediments of the Barents shelf and the glacial history. Solheim, A., et al., (1984, 26p., eng) 39-1225
- Hemispheric circulation asymmetry during Late Tertiary. Flohn, H., (1981, p.725-736, eng) 39-1534
- "Marine" ice cap in south Beringia. Grosval'd, M.G., et al., (1984, p.128-146, eng) 39-1654
- Mass balance characteristics of former ice sheets. Boulton, G.S., et al., (1984, p.140-152, eng) 39-1669
- Milankovitch and climate. Kukla, G., ed., (1982, 895p., in 2 vols., eng) 39-1983
- Two-dimensional climate model useful in ice age application. North, G.R., et al., (1982, p.513-518, eng) 39-1985
- Insolation gradients and the paleoclimatic record. Young, M.A., et al., (1982, p.707-713, eng) 39-1991
- Influence of the CLIMAP ice sheet on the climate of a general circulation model: implications for the Milankovitch theory. Manabe, S., et al., (1982, p.789-799, eng) 39-1992
- Major climatic events associated with a prolonged CO₂-induced warming. Flohn, H., (1981, 80p., eng) 39-2325
- Evidence of ice rafting and tractive transfer in cores from Queen Charlotte Sound, British Columbia. Conway, K.W., et al., (1985, p.703-708, eng) 39-2334
- Climatic changes in the Late Quaternary. Wright, H.E., Jr., (1984, p.91-131, eng) 39-2568
- Early Holocene glaciation stage of Spitsbergen. Troitski, L.S., et al., (1984, p.203-208, rus) 39-2792
- Quaternary paleoclimatology. Methods of paleoclimatic reconstruction. Bradley, R.S., (1985, 472p., eng) 39-2885
- On the reconstruction of Pleistocene ice sheets: a review. Andrews, J.T., (1982, p.1-30, eng) 39-2904
- Assessing the global meltwater spike. Jones, G.A., et al., (1982, p.148-172, eng) 39-2905
- Atmospheric trace elements in antarctic prehistoric ice collected at a coastal ablation area. Boutron, C., et al., (1984, p.1947-1953, eng) 39-3095
- Paleoclimatic research and models. (1983, 205p., eng) 39-3144
- Actual paleoclimatic problems from a climatologist's viewpoint. Flohn, H., (1983, p.17-33, eng) 39-3145
- Numerical modelling of Arctic sea ice: review and preliminary results. Van Ypersele, J.P., (1983, p.193-199, eng) 39-3150
- Modern and ancient glacial-marine deposits. Vanney, J.R., et al., (1986, p.9-50, eng) 39-3274
- Analysis of historical evidence of climatic change in western and northern Canada. Catchpole, A.J.W., et al., (1981, p.48-96, eng) 39-3280
- Quaternary climate of East China. Nie, G., (1984, p.79-83, chi) 39-3323
- Glacial and non-glacial episodes according to marine core, Frobisher Bay. Dowdwell, J.A., et al., (1985, p.119-132, eng) 39-3370
- Environment since main Würm glaciation, Tian Shan. Qin, D., et al., (1984, p.51-62, chi) 39-3517
- Ice cores data: climatic and environmental changes since the last glacial maximum. Loria, C., (1983, p.37-49, fre) 39-3526
- Historic cartographic evidence for Holocene changes in the antarctic ice cover. Wehaupt, J.G., (1984, p.493-501, eng) 39-3634
- Analyzing the spatial distribution of drumlins: a two-phase mosaic approach. Boots, B.N., et al., (1984, p.302-307, eng) 39-3779
- Paleoclimates in southern Africa. Lewin, R., (1985, p.1325-1327, eng) 39-3871
- Quaternary and present environments of northeastern Canada. Jacobs, J.D., et al., (1985, p.26-68, eng) 39-3932
- Patterns of glacial erosion across the eastern Canadian Arctic. Andrews, J.T., et al., (1985, p.69-92, eng) 39-3933
- Paleoecology**
- Open questions in paleoecology. Vasil'chuk, I.U.K., et al., (1984, p.64-78, rus) 39-440
- Was there a Panarctic ice sheet during the Pleistocene. Nesic, K.N., (1984, p.300-307, eng) 39-2549
- Early Holocene glaciation stage of Spitsbergen. Troitski, L.S., et al., (1984, p.203-208, rus) 39-2792
- Relict ice scour signatures on mainland Canada. Mollard, J.D., (1985, p.11-31, eng) 39-3754
- Paludification**
- Microbiology of soils disturbed by coal mining. Andronova, M.F., (1984, p.82-86, rus) 39-40
- Improving the thermal regime of frozen peat. Korekovtsev, A.S., (1984, p.67-69, rus) 39-319
- Changes in hydrogeological conditions caused by pipeline construction on permafrost. Stepanova, S.G., (1984, p.3-10, rus) 39-408
- Calculating soil moisture for roadbed construction. Aleksikov, S.V., et al., (1984, p.105-109, rus) 39-594
- Year-round construction in eastern Siberia. Vel'chev, S.P., et al., (1984, p.6-8, rus) 39-750
- Construction in the Tyumen' area. Gusev, V.A., (1984, p.7-9, rus) 39-790
- Permafrost temperature in swampy landscapes of western Yakutia. Konstantinov, P.I.A., (1984, p.91-95, rus) 39-845
- Changes in natural conditions induced by railroads. Mushakov, A.A., (1984, p.139-140, rus) 39-919
- Pipeline construction in cold, swampy regions. Tikhonov, A.I., et al., (1984, 81p., rus) 39-938
- Failures of buildings built on water-saturated clays. Stroganov, A.S., (1984, p.6-11, eng) 39-1074
- Structure, functional organization and dynamics of swamp ecosystems in Karelia. Elina, G.A., et al., (1984, 128p., rus) 39-1175
- Plant successions in drained northern forests. Fediukov, V.I., (1984, p.341-344, rus) 39-1302
- Soil formation in southern taiga. Dvornikova, L.L., (1984, p.73-79, rus) 39-1304
- Studying northwestern Siberia landscapes from satellite photographs. Moskalenko, N.G., et al., (1980, p.29, rus) 39-1332
- Equipment for building broad-base built-in-vitu piles in water saturated ground. Kharchenko, V.V., et al., (1984, p.11-12, rus) 39-1346
- Investigations of the forestry research station of the Academy of Sciences of the USSR. Vomperski, S.E., ed., (1984, 173p., rus) 39-1412
- Studying taiga vegetation in the Severnaya research station. Orlov, A.I.A., (1984, p.36-57, rus) 39-1414
- Environmental impact of economic development of swamps. Khoroshev, P.I., et al., (1984, p.206-207, rus) 39-1434
- Pile foundations in paluded taiga. Pylaev, E.L., et al., (1984, p.57-58, rus) 39-1641
- Lowering ground water levels in northern swamps. Smorodinov, M.I., (1984, 117p., rus) 39-2068
- Blasting techniques used in construction on water-saturated ground. Smirnov, A.G., et al., (1984, 216p., rus) 39-2069
- Peculiarities of exploration and gas field development in western Siberia. Andreev, O.F., et al., (1984, 211p., rus) 39-2071
- Modular construction of objects for oil and gas industry. Shmal', G.I., (1984, p.3-7, rus) 39-2182
- Modular construction on northern oil fields. Biachkov, A.I., et al., (1985, p.5-6, rus) 39-2222
- Structures for gas transportation to northern mines. Zinevich, A.M., et al., (1985, p.14-15, rus) 39-2224
- Environmental impact of mining in permafrost areas. El'chaninov, E.A., (1984, p.129-135, rus) 39-2339
- Industrial activities and water content of taiga rivers in the European USSR and Siberia. Krestovskii, O.I., (1984, p.79-94, rus) 39-2346
- Influence of land reclamation and river diversion on water reserves. Malik, L.K., (1984, p.95-108, rus) 39-2347
- Runoff in the forest zone of the West Siberian Plain. Burakov, D.A., et al., (1984, p.109-119, rus) 39-2348
- Evaporation from forests and swamps in western Siberia. Rauner, I.U.L., et al., (1984, p.120-127, rus) 39-2349
- Spatial interrelations of forest and mire in the taiga zone of the West Siberian Plain. Glebov, F.Z., et al., (1984, p.1634-1640, rus) 39-2459
- Symposium on the use of mathematical modeling in ecological investigations of forests and swamps. Aug. 21-23, 1984. Summaries (1984, 136p., rus) 39-2580
- Models simulating raised bogs. Svirzhev, I.U.M., et al., (1984, p.6-11, rus) 39-2581
- Ecologic diversity of drained forests. Bush, K.K., (1984, p.36-38, rus) 39-2584
- Modeling the growth and maintenance-cutting of drained stands. Konstantinov, V.K., (1984, p.56-61, rus) 39-2585
- Qualitative model of long-range dynamics of paluded forests. Glebov, F.Z., et al., (1984, p.73-77, rus) 39-2586
- Mathematical modeling in calculations of hydrothermal regimes of hummocky bogs. Moskvina, I.U.P., et al., (1984, p.78-83, rus) 39-2587
- Modeling water regime of peat soils in drained forests. Shiis, I.U.E., (1984, p.116-120, rus) 39-2590
- Influence of draining non-chernozem paluded forests on vegetational dynamics. Fediukov, V.I., et al., (1985, p.24-27, rus) 39-2754
- More on the paludification problem of western Siberia. Neishtadt, M.I., et al., (1985, p.139-144, rus) 39-3017
- Engineering geology of Siberia. Nikolaev, V.A., ed., (1985, 96p., rus) 39-3608
- Experimental studies of changes in loess caused by exogenic processes induced by construction. Tofaniuk, F.S., (1985, p.4-12, rus) 39-3609
- Engineering and geological causes of paluded towns in southern West Siberia. Chernousov, S.I., (1985, p.13-19, rus) 39-3610
- Grain elevator foundations built on plastic ground. Potlov, G.G., et al., (1985, p.43-48, rus) 39-3617
- Sources and factors of paludification of upbuilt areas in the town of Novosibirsk. Gospodinov, D.G., (1985, p.70-76, rus) 39-3621
- Pile foundations on paluded loess. Khrapov, V.S., (1985, p.76-79, rus) 39-3622
- Paludification of the city of Barnaul and its effect on stability of engineering structures. Arefev, V.S., et al., (1985, p.79-81, rus) 39-3623
- Protection of grain elevators from industrially polluted ground water. Potlov, G.G., et al., (1985, p.82-91, rus) 39-3624
- Nitrogen cycle in peat bog soils. Bursakov, S.A., et al., (1985, p.50-54, rus) 39-3729
- Tele-indication of dynamic states of soil and vegetation covers. Konstantinov, V.D., et al., (1985, p.112-119, rus) 39-3826
- Regionalization of western Siberia according to peculiarities of peat deposits. Kashperuk, P.I., et al., (1985, p.88-94, rus) 39-3913
- Palynology**
- Re-evaluation of pollen-climate transfer functions in Keewatin, northern Canada. Kay, P.A., et al., (1983, p.550-559, eng) 39-864
- See also: Pollen
- Panels**
- Ice pressure in solar collector panels. Tovarnykh, G.N., et al., (1982, p.55-59, eng) 39-223
- Reinforced concrete panels for building construction in cold areas. Pavlovskaya, G., (1984, p.6-7, rus) 39-432
- Wall panels for buildings in continental climates. Tsimbler, V.G., et al., (1984, p.24-25, rus) 39-793
- Building failure during thawing of grouted panel joints. Shapiro, G.A., et al., (1984, p.20-22, rus) 39-830
- Construction of large panel buildings. Rozanov, N.P., (1982, 224p., rus) 39-870
- Casey domestic building. Vol.1. (1982, var. p., eng) 39-2229
- Winter construction of large panel buildings. Barkov, I.U.V., et al., (1984, p.5-7, rus) 39-3739
- See also: Large panel buildings
- Particle size distribution**
- Measuring particle size and snowfall intensity in drifting snow. Schmidt, R.A., (1984, p.121-129, eng) 39-337
- Precipitation rate and extinction in falling snow. Seagraves, M.A., (1984, p.1827-1835, eng) 39-598
- Microparticles in ice cores from Antarctica and Greenland. Thompson, L.G., (1984, p.25-32, chi) 39-931
- Snow characterization at SNOW-ONE-B. Berger, R.H., et al., (1983, p.155-195, eng) 39-1955
- Comparison of smoke and obscuring microscale physical characteristics in summer and winter environments. Farmer, W.M., et al., (1984, p.399-403, eng) 39-2978
- Particles**
- South Pole ice core processing and microparticle analysis. Mosley-Thompson, E., et al., (1983, p.118-119, eng) 39-14
- Elemental compositions and concentrations of microspherules in snow and pack ice from the Weddell Sea. Kumai, M., et al., (1983, p.128-131, eng) 39-307
- Spectral properties of ice-particulate mixtures. Clark, R.N., et al., (1984, p.6341-6348, eng) 39-679
- Melting of spherical ice particles falling at terminal velocity in air. Rasmussen, R.M., (1982, 416p., eng) 39-2059
- Coarse-particle calcium/magnesium acetate suitable for roadway and walkway deicing and process for its manufacture. Gancy, A.B., (1984, 10 col., eng) 39-3862
- Patterned ground**
- Problems in studying lichen synusia of the Arctic. Kh Kh., (1981, p.70-72, rus) 39-72

Patterned ground (cont.)

- Morphology and environment of some periglacial features on South Georgia. Heilbronn, T.D., et al, [1984, p.21-36, eng] 39-138
- Slope processes in South Victoria Land. Miotke, F.-D., [1984, p.1-53, eng] 39-725
- Halos of stones. Weisburd, S., [1985, p.42-44, eng] 39-1275
- Arctic and alpine karst in Norway. Gale, S.J., [1984, p.311-314, eng] 39-1824
- Quaternary geology of southwestern Saskatchewan. Klassen, R.W., et al, [1985, p.187-228, eng] 39-2329
- Periglacial geomorphology. Potter, N., Jr., [1984, p.226-232, eng] 39-2570
- See also: Polygonal topography

Pavement bases

- Identifying damages of airport pavements. Smirnov, E.N., et al, [1984, 152p., rus] 39-1554

Pavement heaving

- See: Frost heave

Pavement icing

- See: Road icing

Pavements

- Vormund test road. Part 3: Observations and results. Nordal, R.S., ed, [1984, 165p., nor] 39-287
- Highway pavement condition inventory in Alaska. Brawner, A., [1984, 2p., eng] 39-733
- KO-601 ice removing equipment for roads. Izotov, E.N., et al, [1984, p.23-24, rus] 39-829
- Frost resistance of reinforced concrete pavement plates. Evlanov, S.F., et al, [1984, p.22-23, rus] 39-1308
- Use of industrial waste materials in road construction. Mironov, A.A., et al, [1984, p.3-4, rus] 39-1309
- Investigation of seasonal load restrictions in Washington State. Mahoney, J.P., et al, [1984, 35p., eng] 39-1321
- Identifying damages of airport pavements. Smirnov, E.N., et al, [1984, 152p., rus] 39-1554
- Surface treatment of highways. Angst, C., [1984, p.109-113, ger] 39-1569
- Effect of natural brine deicing agents on pavements. Eck, R.W., et al, [1983, p.24-31, eng] 39-1646
- Frost resistance of bituminous concrete road pavements. Ponomareva, S.G., [1984, p.116-118, rus] 39-1979
- Characterization and use of fly ash and copper slag: soil stabilization. Das, B.M., et al, [1983, 46p., eng] 39-2091
- Combined mechanization schemes for construction of industrial pipelines. [1985, p.23-26, rus] 39-2236
- Use of plastic fabric for pavement protection during frost break. Andersson, O., [1977, p.143-149, eng] 39-2470
- Deflectometer for prediction of damage on highways during spring thaw. Stubstad, R.N., et al, [1983, p.46-51, eng] 39-2477
- Railroad-bridge floors for severe climatic conditions. Andreev, G.G., et al, [1982, p.69-80, rus] 39-2521
- Flexible ice-shedding pavement salt alternative test begins in Minnesota. [1985, p.21, eng] 39-2716
- Asphalt pavements modified with rubber particles. Esch, D., [1984, 35p. + append., eng] 39-2838
- Binding compounds for cementing roadbed tops in cold regions. Vasil'ev, I.U.M., et al, [1984, p.6-7, rus] 39-2853
- Hydrophobic solutions for preventing naled formation on gravel-topped roads. Turgunbaev, A.T., et al, [1984, p.8-9, rus] 39-2862
- Physics of asphalt pavements at low temperatures. Lempe, U., et al, [1985, p.15-19, ger] 39-3055
- Construction and performance of pavement over muskegs. Keyser, J.H., et al, [1984, p.68-80, eng] 39-3419
- Frost preventive layer of pavements in permafrost. Bing, W., [1984, p.69-76, chi] 39-3519
- Pavement deicer. Hinrichs, B.F., [1970, 6 col. + figs., eng] 39-3839
- Method of protecting pavement from corrosive salts and an impermeable pavement membrane and pavement overlay for use in said method. Kietzman, J.H., et al, [1975, 16 col., eng] 39-3848
- Protecting pavement or concrete materials against the effects of the destructive action of freezing and thawing of water or brine solutions. Hansen, C.N., [1978, 24 col., eng] 39-3852
- Amount of soluble substances needed to melt ice and snow on pavements. Budan, G., [1982, 10p., ger] 39-4016
- Cold-mix asphalt technology temperatures below 10°C. Jarrett, P.M., et al, [1984, 3 refs., eng] 39-4026
- See also: Concrete pavements

Peat

- Regional characteristics of soil formation in monsoon areas after forest fires. Sapozhnikov, A.P., [1982, p.117-124, rus] 39-31
- Improving the thermal regime of frozen peat. Korekovtsev, A.S., [1984, p.67-69, rus] 39-319
- Geochemistry of iron in southern taiga soils. Sizov, A.P., [1984, p.81-84, rus] 39-445
- Ground water regime of drained swamps in the eastern Lake Baykal area. Adushinov, A.A., et al, [1983, p.125-130, rus] 39-469

- Dynamics of mosses in forest and peatland, SE Labrador, Canada. Foster, D.R., [1984, p.133-140, eng] 39-713

- Method of restoring the friability of frozen peat. Lishtvan, I.I., et al, [1984, p.8-10, rus] 39-794
- Sustained strength of peat at subzero temperatures. Lishtvan, I.I., et al, [1984, p.13-16, rus] 39-801

- Frozen peat bogs in northern West Siberia and their botanical structure. Streletskaia, I.D., et al, [1984, p.31-39, rus] 39-836

- Permafrost temperature in swampy landscapes of western Yakutia. Konstantinov, P.I.A., [1984, p.91-95, rus] 39-845

- Treatment of fuel peat by the addition of lime with a freeze-thaw cycle. Sharp, J.J., [1983, p.749-750, eng] 39-1122

- Structure, functional organization and dynamics of swamp ecosystems in Karelia. Elina, G.A., et al, [1984, 128p., rus] 39-1175

- Investigation of peat bog by radar. Bjelm, L., et al, [1982, 132p., swe] 39-1230
- Land reclamation problems in the Magadan area. Talyzin, I.U.I., [1984, p.31-33, rus] 39-1301

- Environmental impact of economic development of swamps. Khoroshev, P.I., et al, [1984, p.206-207, rus] 39-1434

- Bioconversion of peat: utilization of peat extracts as a fermentation substrate. Martin, A.M., [1983, p.370-377, eng] 39-1524

- Infiltration parameters in the Gerkhozansu mudflow basin (northern Caucasus). Moskalev, E.L., et al, [1984, p.77-84, rus] 39-1708

- Drying peat on a frozen surface. Balabolin, V.G., [1984, p.15-16, rus] 39-1835

- Contrasts and the dynamics of the natural-territorial structure of the southern part of the Bureinskii Range. Golubchikov, I.U.N., [1977, p.8-18, rus] 39-1898

- Engineering and geological research in construction on weak ground. Rubinshtein, A.I.A., et al, [1984, 108p., rus] 39-1932

- Industrial activities and water content of taiga rivers in the European USSR and Siberia. Krestovskii, O.I., [1984, p.79-94, rus] 39-2346

- Spatial interrelations of forest and mire in the taiga zone of the West Siberian Plain. Glebov, F.Z., et al, [1984, p.1634-1640, rus] 39-2459

- Symposium on the use of mathematical modeling in ecological investigations of forests and swamps, Aug. 21-23, 1984. Summaries. [1984, 136p., rus] 39-2580

- Ecologic diversity of drained forests. Bush, K.K., [1984, p.36-38, rus] 39-2584

- Qualitative model of long-range dynamics of paludal forests. Glebov, F.Z., et al, [1984, p.73-77, rus] 39-2586

- Modeling water regime of peat soils in drained forests. Shits, I.U.E., [1984, p.116-120, rus] 39-2590

- Direct conversion of peat to liquid fuel: Alaska's resource and opportunity. Molton, P.M., et al, [1984, p.14-19, eng] 39-2761

- Ways of formation of hummock-and-hollow microrelief in swamps. Pivachenko, N.I., [1985, p.77-80, rus] 39-3108

- N(15) variations in peat bogs and climatic changes in the past. Schleser, G.H., [1983, p.124-128, eng] 39-3147

- Irrigation scheduling for annual grasses in the Magadan area. Lomakin, M.V., [1984, p.53-55, rus] 39-3257

- Calculating drainage parameters for seasonally freezing peat. Glushkova, N.I., [1985, p.44-46, rus] 39-3258

- Mechanical dehydration of frozen peat. Aleksandrov, B.M., et al, [1984, p.15-17, rus] 39-3541

- Mass loss in a forested bog: relation to hummock and hollow microrelief. Farrish, K.W., et al, [1985, p.375-378, eng] 39-3585

- Peat bogs, their natural and economic significance. Pivachenko, N.I., [1985, 152p., rus] 39-3592

- Ways of controlling the fertility of developed peat soils in northern Europe. Sin'kevich, E.I., [1985, 267p., rus] 39-3593

- Construction in paludal loess areas. Gospodinov, D.G., et al, [1985, p.54-60, rus] 39-3619

- Nitrogen cycle in peat bog soils. Bursakov, S.A., et al, [1985, p.50-54, rus] 39-3729

- Trafficability of peat soils for tractors. Kochedykov, A.K., [1984, p.4-7, rus] 39-3740

- Strength of drained peat deposits. Surovov, V.I., [1984, p.18-20, rus] 39-3742

- Length of peat mining season in cold regions. Petrovskii, E.E., et al, [1984, p.5-9, rus] 39-3767

- Freeze thaw effect on slopes of peat draining trenches. Gamaunov, N.I., et al, [1984, p.3-16, rus] 39-3768

- Lump-peat production in the Ural Mountains. Zhuravlev, A.V., et al, [1985, p.10-13, rus] 39-3769

- Year-round production of peat in permafrost areas. Aleksandrov, B.M., [1985, p.13-15, rus] 39-3770

- Hydrology of mountain peat bogs. Puna and Cordillera, Argentina. Igarzabal, A.P., [1984, p.106-115, spa] 39-3945

Pedogenesis

- See: Soil formation

Pellets

- See: Snow pellets

Penetration

- XSP cone penetrometer: a performance evaluation. Beard, R.M., et al, [1984, 58p., eng] 39-1355

Penetration tests

- Deceleration of projectiles in snow. Albert, D.G., et al, [1982, 29p., eng] 39-1271

- See also: Projectile penetration

Penetrometers

- Penetrometer tests for geologic processes, Norton Sound, Alaska. Hampton, M.A., et al, [1982, p.223-230, eng] 39-1844

Percussion drilling

- Percussion-shattering of perennially frozen rocks. Fedulov, A.I., et al, [1983, p.125-131, rus] 39-422

- Assembly for testing percussion excavators. Kuz'menko, V.V., et al, [1985, p.30-31, rus] 39-2832

- Drilling large-diameter wells in perennially frozen placers. Minakov, V.M., et al, [1985, p.38-41, rus] 39-3551

Perelotoks

- Snowdrift patches on King George (Waterloo) Island. Vtiurin, B.I., [1984, p.209-214, rus] 39-2793

Performance

- Aircraft icing forecast and associated warning services. Pass, R.P., [1984, var.p., eng] 39-543

- See: Cold weather performance

Periglacial processes

- Morphology and environment of some periglacial features on South Georgia. Heilbronn, T.D., et al, [1984, p.21-36, eng] 39-138

- Remote sensing as an aid in periglacial research. Svensson, H., [1982, p.109-125, swe] 39-280

- Nivation hollows and glacial cirques in Söderåsen, Scania, South Sweden. Rapp, A., [1984, p.11-28, eng] 39-456

- Reykjavik Symposium and Central Highlands Field Excursion, 1982. [1983, 107p., eng] 39-458

- High altitude flora of Ural Mountains. Gorchakovskii, P.L., [1984, p.53-54, rus] 39-510

- Publications, reports and theses in geotechnical science. No.10. [1981, 18p., eng] 39-619

- Permafrost during Late Pleistocene in N and NE China. Cui, Z., et al, [1984, p.165-176, chi] 39-626

- Contemporary colian sediments in the alpine zone, Colorado Front Range. Thorn, C.E., et al, [1980, p.162-171, eng] 39-657

- Geomorphology of the NE coastal plain of Prince Charles I, Svalbard. Brossard, T., et al, [1983, p.83-97, fre] 39-724

- Basic characteristics of periglacial landforms on Wutai Mountain. Zhu, J., et al, [1984, p.71-76, chi] 39-935

- Penetrometer tests for geologic processes, Norton Sound, Alaska. Hampton, M.A., et al, [1982, p.223-230, eng] 39-1844

- Late Quaternary environments of the Soviet Union. Velichko, A.A., ed, [1984, 327p., eng] 39-1055

- Periglacial landscapes of the East European plain. Velichko, A.A., et al, [1984, p.95-118, eng] 39-1059

- Cryogenic processes in loess formation in Central Asia. Minervin, A.V., [1984, p.133-140, eng] 39-1060

- Periglacial landscapes and loess accumulation in the Late Pleistocene Arctic and Subarctic. Tomirdario, S.V., [1984, p.141-145, eng] 39-1061

- Terrestrial environment. Walton, D.W.H., [1984, p.1-60, eng] 39-1182

- Peculiarities of formation of cryogenic halos and dispersion flows. Shvartsev, S.L., [1984, p.35-42, rus] 39-1193

- Discussion on the periglacial development in the northeast marginal region of Qinghai-Xizang Plateau. Xu, S., et al, [1984, p.15-25, chi] 39-1536

- Cryogenic processes associated with developments in the permafrost zone. Grave, N.A., [1984, p.188-193, eng] 39-2154

- Cryopediments in the Bighorn Canyon area, southcentral Montana. Nelson, G.E., [1984, p.327-332, eng] 39-2180

- Deflation measurements of Hietatievat, Finnish Lapland, 1974-77. Seppälä, M., [1984, p.39-49, eng] 39-2265

- Periglacial geomorphology. Potter, N., Jr., [1984, p.226-232, eng] 39-2570

- Chemical weathering on the Vantage Point nunatak. Dixon, J.C., et al, [1984, p.111-131, eng] 39-2676

- Field and theory: lectures in geocryology. Church, M., ed, [1985, 213p., eng] 39-2690

- Experimental observations of periglacial processes in the Arctic. Jahn, A., [1985, p.17-35, eng] 39-2692

- Periglacial problems. Washburn, A.L., [1985, p.166-202, eng] 39-2780

- Frost-heaved bedrock features. Burn, C.R., [1984, p.205-207, fre] 39-2723

- Periglacial processes in southern East Siberia. Laperdin, V.K., [1985, p.54-61, rus] 39-3013

- Compiling geocryological charts of solifluction areas. Garagulia, L.S., et al, [1985, p.67-82, rus] 39-3292

- Periglacial processes of the Huanggangliang region, China. Late Pleistocene. Xie, Y., 1984, p.69-78, chij 39-3322
- Migration of chemical elements in the cryolithozone. Makarov, V.N., ed, 1985, 129p., rus 39-3351
- Pleistocene glaciation in East China. Cui, Z., et al, 1984, p.77-86, chij 39-3520
- Modern periglacial process in the central part of Tian Shan. Ji, Z., 1980, p.1-11, chij 39-3694
- Periglacial talus slopes. Jahn, A., 1984, p.177-193, eng 39-3883
- Periglacial processes in the Peruvian Andes. Francou, B., 1984, p.113-126, fre 39-3927
- Periglacial processes in Argentina. 1984, 249p., spa 39-3938
- Morphometric analysis of the stone run Andersson, Falkland Islands. Bellosi, E.S., et al, 1984, p.19-36, spa 39-3941
- Climatic zonation in the Andes and permafrost distribution. Minetti, J.L., et al, 1984, p.129-143, spa 39-3947
- Geocryogenic processes in San Juan Province, Argentina. Simon, W., 1984, p.197-203, spa 39-3950
- Ocean bottom during the ice age. Matishov, G.G., 1984, 176p., rus 39-3951
- Macquarie Island: a wind-molded natural landscape in the Subantarctic. Löffler, E., 1984, p.267-286, eng 39-4056
- See also: Glacial deposits*
- Periodic variations**
- Antarctic sea ice conditions and cyclonic activity in winters 1973-1977. Carleton, A.M., 1983, p.1-22, eng 39-1131
- Milne Glacier on Ellesmere Island may be surging. Jeffries, M.O., 1984, p.251-253, eng 39-1686
- Atmospheric boundary layer changes at Filchner Station. Schaller, E., 1985, p.72-77, ger 39-2809
- Statistical studies of snow accumulation at Showa and Mizuho Stations. Wada, M., 1985, p.1-11, eng 39-3952
- Permafrost**
- Report of the International Conference on Permafrost, 4th, July 1983. Pewe, T.L., 1983, p.169-174, eng 39-104
- Quaternary period in Manchuria. Shikama, T., 1967, p.298-336, eng 39-141
- Some advance in the research of the Lanzhou Institute of Glaciology and Cryopedology (1981-1982). Shi, Y., et al, 1983, p.63-66, chij 39-268
- Engineering-geologic maps of northern Alaska, Barrow quadrangle. Williams, J.R., et al, 1984, 38p., eng 39-542
- Glossary of Russian ice terms. 1984, 78p., rus 39-772
- National Chinese Conference on Permafrost, 2nd, 1981. Brown, J., et al, 1982, 58p., eng 39-871
- Aufeis effects on stream discharge and measurement in subarctic basins. Slaughter, C.W., 1984, p.3.57-3.64, eng 39-1290
- Engineering geology, Section S.17. Proceedings, Vol.17, 1984, 144p., rus 39-1437
- Permafrost formation and distribution in Quaternary. Baulin, V.V., et al, 1984, p.122-129, rus 39-1439
- Ecological land classification and evaluation in southern Yukon: an aid in identifying research and management requirements. Senyk, J.P., 1983, p.70-82, eng 39-1519
- International Conference on Permafrost, 4th, 1983; Final proceedings. 1984, 413p., eng 39-2120
- Placing of deep pile foundations in permafrost in the USSR. Vialov, S.S., 1984, p.16-17, eng 39-2121
- Design and construction of deep foundations in permafrost: North American practice. Ladanyi, B., 1984, p.43-50, eng 39-2125
- Major trends in the development of Soviet permafrost research. Mel'nikov, P.I., 1984, p.163-166, eng 39-2149
- Drilling and operation of gas wells in the presence of natural gas hydrates. Gritsenko, A.I., et al, 1984, p.167-172, eng 39-2150
- Impact of installations for the extraction and transport of gas on permafrost conditions in western Siberia and comprehensive engineering geology forecasting of resultant changes. Zakharov, I.U.F., et al, 1984, p.173-176, eng 39-2151
- Construction of deep pile foundations in permafrost in the USSR—a summary. Sadovskii, A.V., 1984, p.186-187, eng 39-2153
- Principles of terrain classification for pipeline construction. Demidiuk, L.M., et al, 1984, p.217-221, eng 39-2160
- Investigations into the compaction of thawing earth materials. Pakhomova, G.M., 1984, p.278-281, eng 39-2172
- Thermal regime of thermokarst lakes in central Yakutia. Pavlov, A.V., et al, 1984, p.282-285, eng 39-2173
- Northern ecology and resource management. Olson, R. ed, 1984, 438p., eng 39-2262
- Soil development in NW Canada and ecological relationships. Pettapiece, W.W., 1984, p.3-17, eng 39-2263
- Ice wedges and permafrost near King Point, Yukon Territory. Harry, D.G., et al, 1985, p.111-116, eng 39-2327
- Periglacial geomorphology. Potter, N., Jr., 1984, p.226-232, eng 39-2570
- Cumulative index to permafrost conference proceedings, 1958-1983. Heginbottom, J.A., et al, 1985, 215p., eng 39-2701
- Polaris—world's most northerly mine. Leggatt, C.H., 1982, p.46-51, eng 39-2886
- Reversible and continuous solidification processes in loose Quaternary sediments of North America. Brochu, M., 1985, p.1-4, fre 39-2990
- Summer wetlands in the frozen north. Everett, K.R., 1983, p.510-515, eng 39-3002
- The industrial problem. Raulin, P., 1984, p.67, eng 39-3051
- Arctic earth materials for offshore construction in Alaska. Schlegel, M.G., et al, 1985, p.524-540, eng 39-3202
- Permeability of permafrost with respect to migrating hydrocarbon gases. Starobinets, I.S., et al, 1985, p.24-27, rus 39-3256
- Use of the cone penetration test for the design of piles in permafrost. Ladanyi, B., 1985, p.183-187, eng 39-3287
- Air temperature in plateau permafrost, West China. Wang, Q., et al, 1984, p.37-47, chij 39-3319
- Soil-landscape relations in northern Alaska. Everett, K.R., 1981, 357p., eng 39-3511
- Drilling large-diameter wells in perennially frozen placers. Minakov, V.M., et al, 1985, p.38-41, rus 39-3551
- Attenuating creep of piles in frozen soils. Parameswaran, V.R., 1985, p.16-28, eng 39-3580
- Arctic soil classification. Hendershot, W.H., 1985, p.283-291, eng 39-3583
- Ice on planets of the solar system. Krass, M.S., 1984, p.259-274, eng 39-3774
- Bibliography of northern Mackenzie area and Yukon, Canada. Goodwin, C.R., ed, 1984, 310p., eng 39-3897
- Electrical soundings of some rock glaciers and moraines in the southern Alps of France. Evin, M., 1984, p.127-137, fre 39-3928
- Periglacial processes in Argentina. 1984, 249p., spa 39-3938
- Symbols for a geocryogenic inventory. Ahumada, A.L., 1984, p.12-18, spa 39-3940
- Presence of a salty sheet trapped under the permafrost of Seymour Island, northeast of the Antarctic Peninsula. Fournier, H., et al, 1984, p.83-85, spa 39-3944
- Mendoza's mountain soils: geocryogenic and edaphic aspects. Regaraz, M.C., 1984, p.162-173, spa 39-3948
- Geocryogenic processes in San Juan Province, Argentina. Simon, W., 1984, p.197-203, spa 39-3950
- See also: Continuous permafrost; Discontinuous permafrost; Sporadic permafrost; Subsea permafrost*
- Permafrost bases**
- Calculating settlement of embankments built on permafrost. Guiletskii, V.V., et al, 1984, p.8, rus 39-1254
- Bridge construction on permafrost. Blinkov, L.S., 1984, p.11-12, rus 39-1255
- Construction of dumping grounds on permafrost bases. Kuznetsov, G.I., et al, 1984, p.29-30, rus 39-1343
- Building the foundation for a garage on permafrost. Tsozik, V.G., et al, 1984, p.11-12, rus 39-1555
- Basic trends and problems of engineering geology in hydraulic construction. Tsytoich, N.A., et al, 1984, p.25-29, rus 39-1587
- Design of foundations on permafrost soils. Mirenburg, I.U.S., 1984, p.118-122, eng 39-1651
- Design of municipal buildings for the Far North. Reference book. Nazarova, L.G., et al, 1984, 216p., rus 39-1896
- Thermopile construction in the North. Vialov, S.S., et al, 1984, 148p., rus 39-3380
- Greenhouses with foundations on permafrost. Shchelokov, V.K., et al, 1984, p.185-188, eng 39-3810
- Foundation design for permafrost areas. Khristalev, L.N., et al, 1984, p.216-219, eng 39-3813
- Combined method for electric thawing of permafrost foundation beds. Maksimenko, E.S., 1985, p.261-263, eng 39-3818
- Permafrost beneath lakes**
- Limnogenetic peculiarities in permafrost areas of the Kodar-Udokan region. Orel, G.F., 1984, p.76-83, rus 39-843
- Lake bottom heave in permafrost. Richards I, N.W.T. Mackay, J.R., 1984, p.173-177, eng 39-882
- Frost weathering of clayey lake shores. Shul'gin, M.V., 1984, p.134-135, rus 39-916
- Rate of lake shore erosion in permafrost areas. Shul'gin, M.V., 1984, p.135-136, rus 39-917
- Linear erosion of lake shores in permafrost areas. Khamaganova, S.I., et al, 1984, p.136, rus 39-918
- Shore and lake bottom formation in permafrost areas. Shirokov, V.M., 1984, p.10-26, rus 39-1417
- Ecological bases of lake bioproductivity in different natural zones. Kitaev, S.P., 1984, 207p., rus 39-1436
- Migration of chemical elements in the cryolithozone. Makarov, V.N., ed, 1985, 129p., rus 39-3351
- Cryosphere and cryopegs of the Earth and planets. Tolstikhin, N.I., 1985, p.13-21, rus 39-3353
- Permafrost beneath oceans**
- See: Subsea permafrost*
- Permafrost beneath rivers**
- Environmental protection in permafrost areas. Leshchikov, F.N., et al, 1982, p.113-118, rus 39-36
- Seismic studies on bridge-construction sites in permafrost areas. Tikhonov, V.V., et al, 1984, p.34-37, rus 39-414
- Productivity of water-intakes from taliks beneath rivers. Turutin, B.F., et al, 1984, p.109-112, rus 39-425
- Estimating underground drainage in permafrost areas. Mel'nikhuk, N.L., 1983, p.117-125, rus 39-468
- Engineering evaluation of the Lena River floodplain. Ivanov, M.S., et al, 1984, p.96-104, rus 39-846
- Changes in natural conditions induced by human activities. Saks, V.N., ed, 1984, 176p., rus 39-1415
- Peculiarities of spring-summer runoff fluctuations in the Ob' River basin over a period of years. Beltram, S.G., et al, 1984, p.5-10, rus 39-1416
- Environmental impact of flow control of Siberian rivers. Savkin, V.M., et al, 1984, p.26-33, rus 39-1418
- Ob' River crossing of 500 kV overhead power lines. Zlobin, A.A., et al, 1984, p.65-67, rus 39-1597
- Riverbed processes in temperate and in permafrost zones. Snishchenko, D.V., 1984, p.55-59, rus 39-1694
- Nated plains in the BAM zone. Snishchenko, D.V., 1984, p.59-63, rus 39-1695
- Fluctuations of northern river discharges due to human activities. Markova, O.L., et al, 1984, p.5-24, rus 39-2342
- Nutrient cycle of cryogenic soils in flood plains. Batiyev, Kh.A., 1984, p.96-110, rus 39-3029
- Environmental impact of partial river diversion in permafrost areas. Mikheev, V.S., 1984, p.98-113, rus 39-3083
- Construction of ports. Goncharov, V.V., 1985, p.23-24, rus 39-3120
- Water resources of the Chita region. Chechel', A.P., 1985, 97p., rus 39-3510
- Seasonal variations in water content of loess on watersheds. Shevchenko, A.A., et al, 1985, p.49-53, rus 39-3618
- Formulas for calculating river runoff in permafrost areas. Ivan'o, I.A.M., 1985, p.107-111, rus 39-3825
- Large bridges of Siberia. Bykov, I.G., 1984, p.59-60, rus 39-3879
- Permafrost beneath roads**
- Frozen ground engineering. Phukan, A., 1985, 336p., eng 39-1121
- Pipeline workpads in Alaska. Metz, M.C., 1984, p.106-108, eng 39-2138
- Where maintenance is an adventure: Alaska's Dalton highway. 1982, p.20-21, eng 39-2726
- Road construction in palisa fields. Keyser, J.H., et al, 1984, p.26-36, eng 39-3418
- Construction and performance of pavement over muskags. Keyser, J.H., et al, 1984, p.68-80, eng 39-3419
- Frost preventive layer of pavements in permafrost. Bing, W., 1984, p.69-76, chij 39-3519
- Dalton Highway: characterization of foundation soils. Vita, C.L., et al, 1984, 30p. + appendix, eng 39-3904
- Permafrost beneath structures**
- Results of geological-geophysical studies of eastern Siberia in 1976-1980. Pinnaker, E.V., ed, 1982, 136p., rus 39-32
- Surveys of earthquake areas in permafrost zones. Pavlov, O.V., et al, 1982, p.63-67, rus 39-33
- Seismic surveys in the BAM construction area. Solonenko, V.P., et al, 1982, p.68-76, rus 39-34
- Industrial output of modular buildings for Siberia and the Far North (organization and structural design). Orlov, V.A., et al, 1984, 36p., rus 39-54
- Cylindrical cinder blocks for building on permafrost. Zrelakov, V.A., et al, 1984, p.16-17, rus 39-122
- Aerial surveys of gas pipelines. Marakhanov, V.P., et al, 1984, p.35-37, rus 39-123
- Construction of railroads and associated buildings in permafrost areas. Smirnova, E.A., 1984, p.60-64, rus 39-133
- Heat transfer between pipelines and permafrost. Gokhman, M.R., 1984, p.243-247, eng 39-152
- Design of pile foundations built on permafrost. Milovanov, A.F., et al, 1984, p.20-21, rus 39-356
- Changes in hydrogeological conditions caused by pipeline construction on permafrost. Stepanova, S.G., 1984, p.3-10, rus 39-408
- Changes in permafrost induced by construction. Akparsova, G.V., 1984, p.16-26, rus 39-410
- Engineering and seismic investigations of dams built in permafrost areas. Tikhonov, V.V., 1984, p.29-32, rus 39-412
- Strength of pile foundations built on thawing permafrost. Sal'nikov, P.I., et al, 1984, p.42-48, rus 39-416
- Effectiveness of using railroad tracks in the capacity of electrical grounding for railroad power supply systems in permafrost areas. Kosarev, B.I., et al, 1984, p.21-25, rus 39-430

Permafrost beneath structures (cont.)

- Schefferville permafrost research, Vol. I. Granberg, H.B., et al. (1984, 80p. + append. eng) 39-567
- Foundations in high altitude permafrost. Gehrig, G.B., et al. (1983, p.1-9, eng) 39-613
- Stabilization of roadbeds in swamps. Derbas, V.A., et al. (1984, p.6-7, rus) 39-673
- Temporary houses for workers in permafrost areas. Sobchenko, M.S., et al. (1984, p.21-23, rus) 39-675
- Performance of buildings and structures on permafrost. Sobolev, P.V., (1984, p.23-24, rus) 39-676
- Year-round construction in eastern Siberia. Vel'chev, S.P., et al. (1984, p.6-8, rus) 39-750
- Effect of soil and vegetation removal on soil temperature regime in quarries. Vasil'ev, I.M., et al. (1980, p.20-24, rus) 39-751
- Calculations of preliminary compaction of frozen soils. Tsybin, A.M., et al. (1980, p.44-51, rus) 39-752
- Requirements for modular buildings in the North. Kazantsev, I.A., et al. (1984, p.12, rus) 39-791
- Shungite-cellular concretes for the North. Asin, I.U.D., et al. (1984, p.15-16, rus) 39-792
- Aerated ash concretes for the Far North. Zlatinskaya, T.V., et al. (1984, p.11-12, rus) 39-825
- Predicting thermal state of the ground during economic development of northern regions. Chernad'ev, V.P., et al. (1984, 137p., rus) 39-869
- Man and nature in the BAM zone (environmental protection and the use of natural resources). Vorob'ev, V.V., ed. (1984, 156p., rus) 39-901
- Permafrost and environmental protection of major basins in the Stanovoy highlands. Nekrasov, I.A., et al. (1984, p.46-58, rus) 39-902
- Foundations of light-weight buildings on permafrost. Gerasimov, A.S., (1984, 152p., rus) 39-955
- Calculating the depth of discontinuous permafrost beneath buildings. Khrustalev, L.N., et al. (1984, p.30-33, eng) 39-1076
- Feasibility study of permafrost thawing regime by electric heaters. Maksimenko, E.S., (1984, p.34-36, eng) 39-1077
- Frozen ground engineering. Phukan, A., (1985, 336p., eng) 39-1121
- Eastern section of the BAM. Makartsev, M.K., (1984, p.5-8, rus) 39-1161
- Gradual perfecting of roadbed construction technology. Mikhalevich, V.S., et al. (1984, p.9-11, rus) 39-1162
- Improving blasthole drilling techniques. Fazylov, R.G., et al. (1984, p.11-14, rus) 39-1163
- Overcoming difficulties of construction in permafrost areas. Vasil'ev, V.A., et al. (1984, p.12-13, rus) 39-1164
- Power supply to the eastern section of the BAM. Buza, I.K., et al. (1984, p.16-17, rus) 39-1166
- Organization of bridge construction in the western section of the BAM. Rasskazov, I.D., et al. (1984, p.17-19, rus) 39-1167
- The Osetrovsk River port in the North. Tolmachev, R.A., (1984, p.28-30, rus) 39-1171
- Seismic stability of bridges. Shestoporov, G.S., (1984, 143p., rus) 39-1238
- Prudhoe Bay field oil and gas production facilities. Swyter, J.P., (1982, p.202-206, eng) 39-1245
- Calculating settlement of embankments built on permafrost. Guletskii, V.V., et al. (1984, p.8, rus) 39-1254
- Design and construction equipment for BAM area problems. Shmakov, V.P., (1984, p.31-35, rus) 39-1257
- Comparative analysis of the USSR construction codes and the US Army technical manual for design of foundations on permafrost. Fish, A.M., (1982, 20p., eng) 39-1267
- Foundations for power line supports. Solodovnik, V.I.A., et al. (1984, p.22-25, rus) 39-1340
- Using anchor foundations for crossings on the Zeya reservoir for the 22 kV overhead lines of the Tynda-Prizhskaya power line. Petrov, N.K., et al. (1984, p.25-26, rus) 39-1341
- Earth dam construction under permafrost conditions. Mel'nikov, P.I., et al. (1984, p.27-28, rus) 39-1342
- Field studies of ice and thermal conditions of washed-up structures. Zakharov, M.N., (1984, p.30-33, rus) 39-1344
- Climatic bases of regional urban planning and construction in Siberia. Pivkin, V.M., (1984, 260p., rus) 39-1364
- Baykal Amur railroad at the first decade. Aganbegian, A.G., ed. (1984, 208p., rus) 39-1408
- Baykal Amur railroad at the last stage of construction. Mokhortov, K.V., (1984, p.29-38, rus) 39-1409
- New stage of construction and operation of the Baykal Amur railroad. Gorbunov, V.A., (1984, p.143-150, rus) 39-1411
- Corrosion of carbon steel weldments in permafrost. King, R.J., (1983, n.p., eng) 39-1447
- Basic trends and problems of engineering geocryology in hydraulic construction. Tsylovich, N.A., et al. (1984, p.25-29, rus) 39-1587
- Permafrost distribution map for earth dam construction. Svateev, I.U.I., (1984, p.30-32, rus) 39-1588
- Treatment of earth for filling water-imperious parts of dams. Bisanov, G.F., et al. (1984, p.32-34, rus) 39-1589
- Estimating suitability of earth for erecting dams in permafrost areas. Kadkina, E.L., (1984, p.34-36, rus) 39-1590
- Construction of low-pressure dams using frozen earth. Kuznetsov, G.I., et al. (1984, p.38-40, rus) 39-1592
- Performance of thermopiles at the Sytykanskaya earth-rock fill dam. Gorshkov, V.G., et al. (1984, p.41-42, rus) 39-1593
- Engineering and geological investigations for power plant construction. Kagan, A.A., et al. (1984, p.47-51, rus) 39-1596
- Ob' River crossing of 500 kV overhead power lines. Zlobin, A.A., et al. (1984, p.65-67, rus) 39-1597
- Design of foundations on permafrost soils. Mirenburg, I.U.S., (1984, p.118-122, eng) 39-1651
- International pipelines. Hale, D., (1984, p.16-18, eng) 39-1725
- Conduction phase change beneath insulated heated or cooled structures. Lunardini, V.J., (1982, 40p., eng) 39-1746
- Large-block concrete residential buildings. Alzenberg, G.B., et al. (1984, p.14-16, rus) 39-1834
- Design of municipal buildings for the Far North. Reference book. Nazarova, L.G., et al. (1984, 216p., rus) 39-1896
- Sport- and recreation related buildings and structures in the North. Balakhonov, O.N., (1984, 133p., rus) 39-1933
- Residential houses for rural construction in the North. Sakharov, A.N., (1984, 261p., rus) 39-2117
- Design and performance of road and railway embankments on permafrost. Esch, D.C., (1984, p.25-30, eng) 39-2123
- Design and performance of water-retaining embankments in permafrost. Sayles, F.H., (1984, p.31-42, eng) 39-2124
- Geotechnical and engineering significance of subsea permafrost. Hayley, D.W., (1984, p.93-95, eng) 39-2135
- Pipelines in the Northern USSR. Ferriars, O.J., Jr., (1984, p.98-99, eng) 39-2136
- Geology and seismicity of the BAM zone (from Lake Baykal to the Tynda River). Hydrogeology. Pinneker, E.V., et al. (1984, 167p., rus) 39-2571
- Arctic house. Nottingham, D., et al. (1984, p.8-11, eng) 39-2760
- Modeling roadbed construction with permafrost preservation. Ivanov, M.I., et al. (1983, p.21-27, rus) 39-2825
- Site surveying for smaller structures in permafrost areas. Druzhinin, M.K., (1985, p.18-19, rus) 39-2864
- Large panel buildings designed for the North. Kruglova, I.A.B., (1985, p.32-33, rus) 39-2865
- Organization of railroad construction in northern regions. Lutsik, S.I.A., et al. (1985, p.48-50, rus) 39-2868
- Behavior of cold gas pipelines and cryogenic suction. Blanchard, D., et al. (1985, p.(124)-(124)6, fre) 39-2869
- Length of benchmark stabilization in permafrost. Bogdanov, B.G., (1985, p.23-25, rus) 39-2913
- Behaviour of soils in the Arctic. Blanchard, D., et al. (1984, p.27-30, eng) 39-3042
- Scientific basis for the design and construction of Siberian railroads. Stafeev, P.F., et al. (1985, p.7-9, rus) 39-3112
- Pipeline hardware: special designs for Arctic projects. Key, J.M., (1985, p.801-811, eng) 39-3225
- Thaw settlement as a result of permafrost deterioration. Sargent, D.R., (1985, p.1075-1083, eng) 39-3243
- Industrialized construction of petroleum industry objects. Andrienko, V.G., et al. (1985, 342p., rus) 39-3313
- Breaking rocks by explosions. Kutuzov, B.N., ed. (1984, 248p., rus) 39-3393
- Earth dam construction in freezing weather. Popov, I.U.A., et al. (1985, p.96-100, rus) 39-3402
- Construction of overhead power lines on surface foundations on permafrost. Pylaev, E.L., et al. (1985, p.64-65, rus) 39-3403
- Bearing strength of structures built in frozen ground. Savko, B., (1985, p.38-39, rus) 39-3535
- Foundations in permafrost and seasonal frost. Proceedings. (1985, 62p., eng) 39-3578
- Arctic foundation selection: a decision matrix. LaVieille, C., et al. (1985, p.1-14, eng) 39-3579
- Creep of a strip footing on ice-rich permafrost. Sayles, F.H., (1985, p.7-51, eng) 39-3581
- Snow effects on pile design temperatures. Metz, M.C., et al. (1985, p.52-60, eng) 39-3582
- Engineering geology of Siberia. Nikolaev, V.A., ed. (1985, 96p., rus) 39-3608
- Human impact on activities of geosystems of modern towns. Shaevich, I.A.E., (1985, p.20-23, rus) 39-3611
- Urban construction effect on the environment. Rozhdzhevskaya, L.A., et al. (1985, p.21-29, rus) 39-3612
- Punch indentation of polycrystalline ice. Sego, D.C., et al. (1985, p.226-233, eng) 39-3685
- Tall residential buildings for cold regions. Krushinskii, V.I., (1985, p.8-9, rus) 39-3735
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- Large bridges of Siberia. Bypov, I.G., (1984, p.59-60, rus) 39-3879
- Power engineering of the Yakut ASSR. Chudinov, G.M., (1977, p.3-13, rus) 39-3987
- Salt and coal-dust treatment of frozen ground around electrical grounding. Iakushev, M.V., et al. (1977, p.94-99, rus) 39-3992
- Permafrost control**
- Construction of hydraulic tunnels in the Far North. Zimin, L.B., et al. (1984, p.33-34, rus) 39-161
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- Studying frozen rocks in ultra-high-frequency electromagnetic fields. Nekrasov, L.B., et al. (1983, p.96-105, rus) 39-1158
- Strengthening frozen bases by cooling. Gapeev, S.I., (1984, 152p., rus) 39-1322
- Construction of dumping grounds on permafrost bases. Kuznetsov, G.I., et al. (1984, p.29-30, rus) 39-1343
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- Concretes for mine shafts in permafrost areas. Trofimov, B.I.A., et al. (1984, p.16-18, rus) 39-1841
- Pillarless mining under permafrost conditions. Strel'nikov, K.M., et al. (1983, p.12-21, rus) 39-1887
- Calculating summer temperature of frozen ground curtains in earth dams. Raspopin, G.A., et al. (1984, p.97-101, rus) 39-1978
- Thermopiles for permafrost control in Siberia. Baaz, S.L., et al. (1984, p.11-12, rus) 39-2101
- Modeling roadbed construction with permafrost preservation. Ivanov, M.I., et al. (1983, p.21-27, rus) 39-2825
- Cryogenic soils of Yakutia and their utilization. Elvovskaya, L.G., ed. (1984, 125p., rus) 39-3020
- Economic development of lands under permafrost conditions. Gavril'ev, P.P., (1984, p.20-34, rus) 39-3022
- Thermopile construction in the North. Vialov, S.S., et al. (1984, 148p., rus) 39-3380
- Combined method for electric thawing of permafrost foundation beds. Maksimenko, E.S., (1985, p.261-263, eng) 39-3818
- Mapping exogenic processes from satellite pictures. Abalakov, A.D., (1985, p.59-67, rus) 39-3824
- Application of thermopiles. Kazakov, V.P., (1984, p.22-23, rus) 39-3877
- See also: Permafrost preservation**
- Permafrost dating**
- Permafrost development in northern West Siberia. Vasil'chuk, I.U.K., et al. (1984, p.134-143, rus) 39-426
- Open questions in paleogeocryology. Vasil'chuk, I.U.K., et al. (1984, p.64-78, rus) 39-440
- Late Pleistocene ice wedges in the Kolyma River basin. Vasil'chuk, I.U.K., et al. (1985, p.904-906, rus) 39-3427
- Permafrost depth**
- Cryogenesis and the formation of soil. Khudiakov, O.I., (1984, 196p., rus) 39-28
- Hydrogeological studies of eastern USSR and some Asiatic countries. Pinneker, E.V., ed. (1983, 174p., rus) 39-466
- Ground water regime of drained swamps in the eastern Lake Baykal area. Adushinov, A.A., et al. (1981, p.125-130, rus) 39-469
- Hydrogeological mapping of cryogenic processes. Kononova, R.S., et al. (1983, p.130-136, rus) 39-470
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- Antarctic inland waters. Heywood, R.B., (1984, p.279-344, eng) 39-1186
- Formation and structure of secondary dispersion halos in low-mountain taiga landscapes of permafrost areas. Miasnikov, A.A., et al. (1984, p.56-61, rus) 39-1196
- Using mobile elements in search for deeply buried ore bodies. Vinokurov, I.P., et al. (1984, p.73-79, rus) 39-1199
- Soils and geological conditions of the Nechernozem'ye. Sergeev, E.M., ed. (1984, 608p., rus) 39-1424
- Agrophotocenic aspects of grass sowing in permafrost areas. Denisov, G.V., (1984, 250p., rus) 39-1950
- Study and practice on deep foundations in permafrost areas of China. Ding, J., (1984, p.18-24, eng) 39-2122
- Subsea permafrost distribution on the Alaskan shelf. Sellmann, P.V., et al. (1984, p.75-82, eng) 39-2131

- Effect of microrelief on thermal regime of cryogenic soils. Romanov, P.G., (1984, p.75-82, rus) 39-3028
- Permafrost in the Mackenzie Delta, Northwest Territories. Smith, M.W., (1976, 34p, eng) 39-3053
- Irrigation scheduling for annual grasses in the Magadan area. Lomakin, M.V., (1984, p.53-55, rus) 39-3257
- Forest fire effect on taiga soil. Bondar', P.A., (1985, p.111-116, rus) 39-3599
- Year-round production of peat in permafrost areas. Aleksandrov, B.M., (1985, p.13-15, rus) 39-3770
- Permafrost distribution**
- Seismic surveys in the BAM construction area. Solonenko, V.P., et al., (1982, p.68-76, rus) 39-34
- Mosses in the southern part of the Magadan Region. Blagodatskikh, L.S., (1981, p.22-24, rus) 39-59
- Biogeocentotic (consortive) relations of mosses in tundra and taiga ecosystems. Tishkov, A.A., (1981, p.54-55, rus) 39-67
- Climatic variations in China during the Quaternary. Duan, W., et al., (1980, p.515-524, eng) 39-91
- Permafrost mapping of rock glaciers, Austrian Alps. Haerberli, W., et al., (1983, p.127-150, ger) 39-101
- Beryllium in sulfates of the cryolithic zone south of Verkhoysansk. Kokin, A.V., (1982, p.200-201, eng) 39-155
- Using space imagery in compiling landscape maps. Riabchikova, V.I., (1984, p.39-45, rus) 39-159
- Mathematical model of high-altitude permafrost distribution. Cheng, G., et al., (1983, p.1-7, chi) 39-261
- Remote sensing as an aid in periglacial research. Svensson, H., (1982, p.109-125, swe) 39-280
- Natural salt extracts and their value for prospecting in permafrost areas. Kokin, A.V., (1984, p.37-44, rus) 39-317
- Spaceborne photography in road construction. Revzon, A.L., et al., (1984, p.15-17, rus) 39-354
- Principles of distinguishing soil provinces in geographic regionalization. Urusevskaya, I.S., (1984, p.3-10, rus) 39-442
- Estimating underground drainage in permafrost areas. Mel'nichuk, N.I., (1983, p.117-125, rus) 39-468
- Cryogenic relief in the Bayan-Nuurin-khotnor basin. Rotnicki, K., et al., (1978, p.141-148, eng) 39-534
- Permafrost physics in the Bayan-Nuurin-khotnor basin, Mongolia. Babin'ski, Z., (1978, p.165-172, eng) 39-535
- Schefferville permafrost research, Vol.1. Granberg, H.B., et al., (1984, 80p. + append., eng) 39-567
- Cryogenic relief of western Siberia. Shpolianskaya, N.A., (1984, p.17-23, rus) 39-580
- Permafrost during Late Pleistocene in N and NE China. Cui, Z., et al., (1984, p.165-176, chi) 39-626
- Peculiarities of segetal vegetation in Central Yakutia. Sleptsova, N.P., (1984, p.1070-1073, rus) 39-670
- Migration of ore elements in cryolithozones. Vagner, B.B., (1984, p.85-89, rus) 39-749
- Structures of northern sea shores. Bashlavin, D.K., et al., (1982, p.174-178, rus) 39-758
- Cryogenic processes and phenomena in Siberia. Nekrasov, I.A., ed., (1984, 164p., rus) 39-832
- Formation and spatial distribution of ground ice accumulations in the Yamal Peninsula. Orlianskii, V.V., (1984, p.22-31, rus) 39-835
- Frozen peat bogs in northern West Siberia and their botanical structure. Streletskaia, I.D., et al., (1984, p.31-39, rus) 39-836
- Cryogenic relief-forming processes in the Upper Barguzin River basin. Vyrtkin, V.B., (1984, p.47-51, rus) 39-838
- Thermal regime of rocks at watersheds in the Vilyuy area. Klimovskii, I.V., et al., (1984, p.83-90, rus) 39-844
- Landscape types in river valleys of northern Yakutia. Zaikarov, V.G., (1984, p.110-119, rus) 39-848
- Studying permafrost outcrops in the Kolyma River valley. Murzi, I.U.A., et al., (1984, p.119-127, rus) 39-849
- Ice layers in the extrusive and sedimentary rocks of the Kamchatka Peninsula. Zhiruev, S.P., (1984, p.144-149, rus) 39-852
- Man and nature in the BAM zone (environmental protection and the use of natural resources). Vorob'ev, V.V., ed., (1984, 156p., rus) 39-901
- Permafrost and environmental protection of major basins in the Stanovoy highlands. Nekrasov, I.A., et al., (1984, p.46-58, rus) 39-902
- Economic development of the Chita section of BAM. Zadorozhnyi, V.F., et al., (1984, p.101-108, rus) 39-904
- Conference of young scientific associates on the geology and geophysics of eastern Siberia. 11th, Irkutsk, Apr. 17-19, 1984. Summaries. Laperdin, V.K., ed., (1984, 240p., rus) 39-915
- Ice vein formation in naled areas of river valleys. Sannikov, S.A., (1984, p.160, rus) 39-924
- Computer processing of electrical sounding data of permafrost. Dmitriev, A.G., et al., (1984, p.189-190, rus) 39-925
- Microflora and biologic activity in the litter of pine forests of the Angara River area. Bugakova, T.M., et al., (1983, p.101-115, rus) 39-960
- Late Quaternary environments of the Soviet Union. Velichko, A.A., ed., (1984, 327p., eng) 39-1053
- Dynamics of Late Quaternary permafrost in Siberia. Baulin, V.V., et al., (1984, p.69-77, eng) 39-1056
- Late Pleistocene permafrost in European USSR. Velichko, A.A., et al., (1984, p.79-86, eng) 39-1057
- Holocene permafrost in the USSR. Baulin, V.V., et al., (1984, p.87-91, eng) 39-1058
- Crushing of rocks. Cherskii, N.V., ed., (1983, 138p., rus) 39-1155
- Characteristics of permafrost in petroleum areas of the Far North. Vasil'ev, R.V., et al., (1983, p.88-96, rus) 39-1157
- Peculiarities of formation of cryogenic halos and dispersion flows. Shvartsev, S.L., (1984, p.35-42, rus) 39-1193
- Geochemical exploration in permafrost areas. Pitul'ko, V.M., (1984, p.42-45, rus) 39-1194
- Peculiarities of secondary lithochemical halos in permafrost areas. Kviatkovskii, E.M., et al., (1984, p.45-56, rus) 39-1195
- Geochemical exploration of bald-peak landscapes. Taishev, T.T., (1984, p.61-67, rus) 39-1197
- Locating ore deposits beneath lacustrine-alluvial permafrost. Makarov, V.N., et al., (1984, p.79-84, rus) 39-1200
- Using aerial and satellite information in geological mapping. Deleux, M.S., et al., (1980, p.39-41, rus) 39-1335
- Permafrost in the Yamal-Gydan area of western Siberia. Ul'nak, R.I., (1979, p.49-63, eng) 39-1368
- Cryogenic structure of Quaternary deposits in the Lena-Aldan basin. Ivanov, M.S., (1984, 125p., rus) 39-1397
- Permafrost formation in the Chita-Ingoda depression. Shavrin, P.A., (1984, p.151-154, rus) 39-1420
- Soils and geological conditions of the Nечерномоз'e. Sergeev, E.M., ed., (1984, 608p., rus) 39-1424
- Permafrost and hydrogeological conditions of eastern Siberia. Shepelev, V.V., et al., (1984, 191p., rus) 39-1450
- Fluvial history of the planet Mars. Karr, M.H., (1984, p.22-32, rus) 39-1452
- Continental taiga of eastern Alaska. Report No.1. Urtsev, B.A., (1984, p.117-127, rus) 39-1546
- Origin of northern spruce forests. Anishin, P.A., (1984, p.10-18, rus) 39-1547
- Light regime of different central taiga forests. Kishchenko, I.T., (1984, p.17-21, rus) 39-1568
- Permafrost distribution map for earth dam construction. Svateev, I.U.I., (1984, p.30-32, rus) 39-1588
- Determining distribution patterns of ice-bonded permafrost in the U.S. Beaufort Sea from seismic data. Neave, K.G., et al., (1984, p.237-258, eng) 39-1878
- Acoustic velocities of nearshore materials in the Alaskan Beaufort and Chukchi Seas. Morack, J.L., et al., (1984, p.259-274, eng) 39-1879
- Hydrothermal structure of landscapes in the Kingan-Bureya lowland. Kolomyts, E.G., (1977, p.19-76, rus) 39-1899
- Forest vegetation as an indicator of permafrost. Borshcheva, N.M., et al., (1983, p.176-187, rus) 39-1930
- Geocryological conditions of the Baykal-Stanovoy Range part of the BAM zone. An, V.V., et al., (1984, 151p., rus) 39-1947
- Permafrost and thermokarst in Central Yakutia. Koutaniemi, L., (1984, p.167-181, fin) 39-2054
- Subsea permafrost distribution on the Alaskan shelf. Sellmann, P.V., et al., (1984, p.75-82, eng) 39-2131
- Perspective on the distribution of subsea permafrost on the Canadian Beaufort Continental Shelf. Pisco, S.M., (1984, p.83-86, eng) 39-2132
- Study of climate change in the permafrost regions of China: a review. Cheng, G., (1984, p.139-144, eng) 39-2145
- Reconstructions and future predictions of the effects of climate change. Gray, J.T., (1984, p.156-159, eng) 39-2148
- Cryogenic processes associated with developments in the permafrost zone. Grave, N.A., (1984, p.188-193, eng) 39-2154
- Permafrost beneath the Arctic seas. Zhigarev, L.A., (1984, p.311-314, eng) 39-2179
- Acquisition and processing of high resolution reflection seismic data from permafrost affected areas of the Canadian part of the Beaufort Sea. Poloy, D.F., et al., (1985, p.491-498, eng) 39-2332
- Palsas and permafrost distribution in the Northern Hemisphere. Dionne, J.C., (1984, p.165-184, fre) 39-2721
- Environmental guidelines, pits and quarries (1982, 69p., eng) 39-2900
- Creep of mountain permafrost, alpine rock glaciers. Haerberli, W., (1985, 142p., map, eng) 39-2912
- Periglacial processes in southern East Siberia. Laperdin, V.K., (1985, p.54-61, rus) 39-3013
- Individual design method for small river hydrographs in eastern Siberia. Petenkov, A.V., (1985, p.125-133, rus) 39-3016
- Grouping Yakutian lands for agricultural development. Elovskaya, I.G., et al., (1984, p.34-48, rus) 39-3023
- Bank erosion, vegetation and permafrost, Tanana River near Fairbanks. Gatto, L.W., (1984, 53p., eng) 39-3030
- Permafrost in the Mackenzie Delta, Northwest Territories. Smith, M.W., (1976, 34p., eng) 39-3053
- Production well through sediments containing gas hydrates. Wittebolle, R.J., et al., (1985, p.178-184, eng) 39-3170
- Cryosphere and cryopegs of the Earth and planets. Tolstikhin, N.I., (1985, p.13-21, rus) 39-3353
- Climate changes in a cold mountainous region. Du, W., (1984, p.63-68, chi) 39-3518
- Udokan (natural resources and their development). Narkelun, L.F., ed., (1985, 230p., rus) 39-3594
- Slope processes in the area of the Udokan ore deposits. Krendelev, F.P., et al., (1985, p.5-53, rus) 39-3595
- Permafrost phenomena in the Chars River basin. Krendelev, F.P., et al., (1985, p.53-82, rus) 39-3596
- On engineering geological survey in alpine permafrost regions of West China. Qiu, G., (1980, p.17-23, chi) 39-3696
- Arctic research needs in civil engineering. Haneman, V., ed., (1985, 199p., eng) 39-3715
- Regionalization of western Siberia according to peculiarities of peat deposits. Kashperuk, P.I., et al., (1985, p.88-94, rus) 39-3913
- Age of cryogenic structures of Puerto Madryn, Chubut, Argentina. Cortic, A.E., et al., (1984, p.66-72, spa) 39-3943
- Climatic zonation in the Andes and permafrost distribution. Minetti, J.L., et al., (1984, p.129-143, spa) 39-3947
- Geocryological conditions of the Altai-Sayan mountain region. Shats, M.M., (1978, 103p., rus) 39-3982
- Geomorphology of the North Siberian plain (the northern and central parts). Zemtsov, A.A., (1976, 342p., rus) 39-3985
- Developing construction methods for industrial pipelines. Vasil'ev, N.P., (1985, p.37-38, rus) 39-3995
- Energy, Alaska. Davis, N., (1984, 530p., eng) 39-4002
- Geologic guide to the Fairbanks-Livengood area, east-central Alaska. Weber, F.R., et al., (1985, 44p., eng) 39-4028
- Permafrost formation**
- See: Permafrost origin
- Permafrost heat transfer**
- Thermal properties of soils. Farouki, O.T., (1981, 136p., eng) 39-1258
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- Conduction phase change beneath insulated heated or cooled structures. Lunardini, V.J., (1982, 40p., eng) 39-1746
- Permafrost hydrology**
- Results of geological-geophysical studies of eastern Siberia in 1976-1980. Pinneker, E.V., ed., (1982, 136p., rus) 39-32
- Formation and geological activity of ground waters in eastern Siberia. Pinneker, E.V., et al., (1982, p.105-112, rus) 39-35
- Environmental protection in permafrost areas. Leshchikov, F.N., et al., (1982, p.113-118, rus) 39-36
- Permafrost transformation induced by mining activities. Pisarskii, B.I., et al., (1982, p.119-123, rus) 39-37
- Natural salt extracts and their value for prospecting in permafrost areas. Kokin, A.V., (1984, p.37-44, rus) 39-317
- Engineering and geocryological investigations. Denugin, A.G., ed., (1984, 76p., rus) 39-407
- Changes in permafrost induced by construction. Akparisova, G.V., (1984, p.16-26, rus) 39-410
- Seismic studies on bridge-construction sites in permafrost areas. Tikhonov, V.V., et al., (1984, p.34-37, rus) 39-414
- Mobility of lead in freezing-thawing soils. Kuz'menkova, V.S., et al., (1984, p.67-69, rus) 39-421
- Productivity of water-intakes from taliks beneath rivers. Turutin, B.F., et al., (1984, p.109-112, rus) 39-425
- Permafrost development in northern West Siberia. Vasil'chuk, I.I., et al., (1984, p.134-143, rus) 39-426
- Subsurface-drainage taliks and related water phenomena. Borisov, V.V., (1984, p.78-82, rus) 39-441
- Hydrogeological studies of eastern USSR and some Asiatic countries. Pinneker, E.V., ed., (1983, 174p., rus) 39-466
- Estimating underground drainage in permafrost areas. Mel'nichuk, N.I., (1983, p.117-125, rus) 39-468
- Ground water regime of drained swamps in the eastern Lake Baykal area. Adishinov, A.A., et al., (1983, p.125-130, rus) 39-469
- Hydrogeological mapping of cryogenic processes. Kuz'menkova, V.S., et al., (1983, p.130-136, rus) 39-470
- Hydrochemistry of rivers and lakes in the Buryat ASSR. Obshin, V.N., et al., (1984, 151p., rus) 39-482
- Performance of buildings and structures on permafrost. Sobolev, P.V., (1984, p.23-24, rus) 39-676
- Cryogenic relief-forming processes in the Upper Barguzin River basin. Vyrtkin, V.B., (1984, p.47-51, rus) 39-838
- Regularities governing the formation of chemical composition of ground waters in the Udokan Range. Belakov, A.E., et al., (1984, p.71-76, rus) 39-842
- Engineering evaluation of the Lena River floodplain. Ivanov, M.S., et al., (1984, p.96-104, rus) 39-846

Permafrost hydrology (cont.)

- Hydrology of a drainage basin in the Canadian high Arctic. Woo, M., (1983, p.577-596, eng) 39-866
- Man and nature in the BAM zone (environmental protection and the use of natural resources). Vorob'ev, V.V., ed. (1984, 156p., rus) 39-901
- Permafrost and environmental protection of major basins in the Stanovoy highlands. Nekrasov, I.A., et al. (1984, p.46-58, rus) 39-902
- Conference of young scientific associates on the geology and geophysics of eastern Siberia, 11th, Irkutsk, Apr. 17-19, 1984. Summaries. Laperdin, V.K., ed. (1984, 240p., rus) 39-915
- Laboratory studies of cryometamorphism of brines. Alekseev, S.V., (1984, p.158-159, rus) 39-922
- Peculiarities of thermokarst. Filippov, A.G., (1984, p.159, rus) 39-923
- Ice vein formation in naled areas of river valleys. Sannikov, S.A., (1984, p.160, rus) 39-924
- On the classification of ground water in the permafrost area in Qilian Shan. Guo, P., (1984, p.79-84, chi) 39-936
- General hydrology (hydrology of dry land). Bogoslovskii, B.B., et al. (1984, 422p., rus) 39-1136
- Methods of geochemical exploration used in northern Siberia. Polikarpochkin, V.V., ed. (1984, 177p., rus) 39-1190
- Peculiarities of geochemical exploration in northern Siberia. Polikarpochkin, V.V., (1984, p.11-18, rus) 39-1191
- Landscapes geochemistry of northern Siberia. Perelman, A.I., et al. (1984, p.18-26, rus) 39-1192
- Electromagnetic technique of locating water-bearing zones in permafrost. Kolchin, G.I., et al. (1984, p.77-80, rus) 39-1357
- Cryogenic structure of Quaternary deposits in the Lena-Aldan basin. Ivanov, M.S., (1984, 125p., rus) 39-1397
- Changes in natural conditions induced by human activities. Saka, V.N., ed. (1984, 176p., rus) 39-1415
- Peculiarities of spring-summer runoff fluctuations in the Ob' River basin over a period of years. Betsom, S.G., et al. (1984, p.5-10, rus) 39-1416
- Soils and geological conditions of the Nечernozem'e. Sergeev, E.M., ed. (1984, 608p., rus) 39-1424
- Physico-chemical processes in freezing fines. Ershov, E.D., (1984, p.129-136, rus) 39-1440
- Permafrost and hydrogeological conditions of eastern Siberia. Shepelev, V.V., et al. (1984, 191p., rus) 39-1450
- Permafrost research: an assessment of future needs. (1983, 121p., eng) 39-1514
- Engineering and geological investigations for power plant construction. Kagan, A.A., et al. (1984, p.47-51, rus) 39-1596
- Radio-echo-sounding of firm, ice and permafrost. Haeblerli, W., et al. (1983, p.61-72, eng) 39-1633
- Water exchange functions of cryosphere parts. Mel'nikov, P.I., et al. (1984, p.587-590, rus) 39-1637
- Naled plains in the BAM zone. Snishchenko, D.V., (1984, p.59-63, rus) 39-1695
- Identifying the boundaries of ground-water naleds on aerial photographs. Gnazeva, L.L., et al. (1984, p.63-7, rus) 39-1696
- Geocryological conditions of the Baykal-Stanovoy Range part of the BAM zone. An, V.V., et al. (1984, 151p., rus) 39-1947
- Calculating summer temperature of frozen ground curtains in earth dams. Raspopin, G.A., et al. (1984, p.97-101, rus) 39-1978
- Hydrogeological conditions of the non-chernozem zone of the R.S.F.S.R. Kulikov, G.V., (1983, 338p., rus) 39-2070
- Geodetic surveys in permafrost areas. Il'urkov, F.Kh., (1984, p.19, rus) 39-2109
- Physicochemical nature of the formation of unfrozen water in frozen soils. Akimov, I.U.P., et al. (1984, p.195-199, eng) 39-2155
- Investigation of areas of icing (naled) formation and subsurface water discharge under permafrost conditions using surface geophysical techniques. Bofkov, S.A., et al. (1984, p.211-216, eng) 39-2159
- Migration of elements in water in taiga-permafrost landscapes. Makarov, V.N., (1984, p.253-258, eng) 39-2167
- Town beyond the polar circle and its environment. Gorbacheva, V.M., (1984, 99p., rus) 39-2241
- Economic development of taiga. (1984, 184p., rus) 39-2341
- Water supply in the taiga zone of Siberia. Pinneker, E.V., et al. (1984, p.52-63, rus) 39-2344
- Runoff in the forest zone of the West Siberian Plain. Burakov, D.A., et al. (1984, p.109-119, rus) 39-2348
- Formation of hydroeconomic balances in taiga zones. Prashchikina, A.V., (1984, p.146-150, rus) 39-2351
- Role of mountain forests in water protection. Lebedev, A.V., (1984, p.156-164, rus) 39-2352
- Unfrozen water content in saline soils. Patterson, D.E., et al. (1983, p.95-101, eng) 39-2487
- Geology and seismicity of the BAM zone (from Lake Baykal to the Tynda River). Hydrogeology. Pinneker, E.V., et al. (1984, 167p., rus) 39-2571
- All-Union conference on adaptation of organisms to the Arctic environment. Tallin, Nov. 27-30, 1984. Proceedings (1984, 212p., rus) 39-2639
- Problems of engineering glaciology. Osokin, N.I., (1984, p.215-219, rus) 39-2794
- Cryogenic soils of Yakutia and their utilization. Elovskaya, I.G., ed. (1984, 125p., rus) 39-3020
- Forest soils of the Lena-Amga interfluv. Desiatkin, R.V., (1984, p.14-20, rus) 39-3021
- Economic development of lands under permafrost conditions. Gavril'ev, P.P., (1984, p.20-34, rus) 39-3022
- Grouping Yakutian lands for agricultural development. Elovskaya, I.G., et al. (1984, p.34-48, rus) 39-3023
- Alasay soils of the Lena-Amga interfluv. Desiatkin, R.V., (1984, 168p., rus) 39-3091
- Determining mean thickness of ground-water naleds. Markov, M.L., (1984, p.61-69, rus) 39-3347
- Cryosphere and cryopoles of the Earth and planets. Tolstikhin, N.I., (1985, p.13-21, rus) 39-3353
- Mobility of chemical elements in periglacial lithogenesis. Makarov, V.N., (1985, p.50-61, rus) 39-3356
- Mechanical, fluvial and biogenic migration of gold in permafrost. Talsae, T.T., et al. (1985, p.61-70, rus) 39-3357
- Predictions concerning petroleum presence in the Tunguska River basin. Bukaty, M.B., et al. (1985, p.78-99, rus) 39-3359
- Breaking rocks by explosions. Kutuzov, B.N., ed. (1984, 248p., rus) 39-3393
- Borehole blasting of deeply freezing ground and permafrost. Basistov, M.A., et al. (1984, p.149-157, rus) 39-3400
- Permafrost phenomena in the Chara River basin. Krendel'ev, F.P., et al. (1985, p.53-82, rus) 39-3596
- Grain elevator foundations built on plastic ground. Potlov, G.G., et al. (1985, p.43-48, rus) 39-3617
- Water balance structure of river catchment areas in permafrost zones. Vasilenko, N.G., et al. (1985, p.25-29, rus) 39-3749
- Formulas for calculating river runoff in permafrost areas. Ivan'o, I.A.M., (1985, p.107-111, rus) 39-3825
- Hydrology of mountain peat bogs. Puna and Cordillera, Argentina. Igarzábal, A.P., (1984, p.106-115, spa) 39-3945
- Aerial-landscape method of studying exogenic processes. Sadov, A.V., (1978, 151p., rus) 39-4005
- Permafrost indicators
- Frost-heaved bedrock features. Burn, C.R., (1984, p.205-207, fre) 39-2723
- Geomorphology of the North Siberian plain (the northern and central parts). Zemstov, A.A., (1976, 342p., rus) 39-3985
- Permafrost mass transfer
- Permafrost research: an assessment of future needs. (1983, 121p., eng) 39-1514
- Permafrost origin
- Findings of strongly mineralized ice wedges. Vasil'chuk, I.U.K., et al. (1984, p.129-134, rus) 39-347
- Permafrost development in northern West Siberia. Vasil'chuk, I.U.K., et al. (1984, p.134-143, rus) 39-426
- Open questions in paleogeocryology. Vasil'chuk, I.U.K., et al. (1984, p.64-78, rus) 39-440
- Landscapes types in river valleys of northern Yakutia. Zaikanov, V.G., (1984, p.110-119, rus) 39-848
- Ice layers in the extrusive and sedimentary rocks of the Kamchatka Peninsula. Zhuruev, S.P., (1984, p.144-149, rus) 39-852
- Comparative planetology. Section S.19. Proceedings, Vol.19. (1984, 142p., rus) 39-1451
- Structure of the cryolithosphere of the planet Mars. Kuz'min, R.O., (1984, p.32-39, rus) 39-1453
- Water exchange functions of cryosphere parts. Mel'nikov, P.I., et al. (1984, p.587-590, rus) 39-1637
- Geocryological conditions of the Baykal-Stanovoy Range part of the BAM zone. An, V.V., et al. (1984, 151p., rus) 39-1947
- Permafrost physics
- Field dielectric measurements of frozen silt using VHF pulses. Arcone, S.A., et al. (1984, p.29-37, eng) 39-329
- Engineering and seismic investigations of dams built in permafrost areas. Tikhonov, V.V., (1984, p.29-32, rus) 39-412
- Percussion-shattering of perennially frozen rocks. Fedulov, A.I., et al. (1983, p.125-131, rus) 39-422
- Creep and strength testing of frozen saline fine-grained soils. Nixon, J.F., et al. (1984, p.518-529, eng) 39-493
- Conductive backfill for improving electrical grounding in frozen soils. Sellmann, P.V., et al. (1984, 19p., eng) 39-561
- Schefferville permafrost research. Vol.1. Granberg, H.B., et al. (1984, 80p. + append., eng) 39-567
- Publications, reports and theses in geotechnical science. No.10. (1981, 18p., eng) 39-619
- Direction of ice-wedge cracking in permafrost downward or upward. Mackay, J.R., (1984, p.516-524, eng) 39-818
- High Arctic soils through the microscope: prospect and retrospect. Bunting, B.T., (1983, p.609-616, eng) 39-868
- Foundations of light-weight buildings on permafrost. Gerasimov, A.S., (1984, 152p., rus) 39-955
- Seismic effect of detonating explosives in permafrost. Glotzman, L.M., et al. (1984, p.40-45, rus) 39-961
- Frozen ground engineering. Phukan, A., (1985, 336p., eng) 39-1121
- Crushing of rocks. Cherskil, N.V., ed. (1983, 138p., rus) 39-1155
- Drilling techniques and equipment used in permafrost areas. Fazylov, R.G., et al. (1983, p.79-83, rus) 39-1156
- Studying frozen rocks in ultra-high-frequency electromagnetic fields. Nekrasov, L.B., et al. (1983, p.96-105, rus) 39-1158
- Studying changes in frozen rocks in ultra-high-frequency fields. Nekrasov, L.B., et al. (1983, p.105-118, rus) 39-1159
- Drilling methods and bits for Yakutia. Grigor'ev, A.N., et al. (1983, p.118-129, rus) 39-1160
- Regularities governing changes in thermal conductivity of coarse-clastics depending on their composition, cryogenic structure and temperature. Ershov, E.D., et al. (1984, p.35-41, rus) 39-1326
- Blasting of earth in the construction of main pipelines and underground storages. Globa, V.M., (1984, 239p., rus) 39-1356
- Physico-chemical processes in freezing fines. Ershov, E.D., (1984, p.129-136, rus) 39-1440
- Dynamic loads on supports under permafrost conditions. Vikulov, M.A., (1983, p.21-26, rus) 39-1888
- Modeling cryogenic physical-geological processes. Grechishchev, S.E., et al. (1984, 230p., rus) 39-1907
- Thermophysical properties of loess. Komissarova, N.N., et al. (1985, p.52-63, rus) 39-1976
- Analog methods for determining long-term deformability of permafrost materials. Roman, L.T., (1984, p.290-294, eng) 39-2175
- Resistivity logging of frozen rocks. Snegirev, A.M., (1984, p.295-299, eng) 39-2176
- Stress-strain condition and the assessment of slope stability in areas of complex geological structure under various temperature regimes. Ukhov, S.B., et al. (1984, p.300-305, eng) 39-2177
- Electrical thawing of frozen soils. Jumikis, A.R., (1984, p.333-337, eng) 39-2181
- Soil movements on permafrost slopes near Fairbanks, Alaska. Wu, T.H., (1984, p.699-709, eng) 39-2272
- Field and theory: lectures in geocryology. Church, M., ed. (1985, 213p., eng) 39-2690
- Recent observations on the deformation of ice and ice-rich permafrost. Morgenstern, N.R., (1985, p.133-153, eng) 39-2698
- Periglacial problems. Washburn, A.L., (1985, p.166-202, eng) 39-2700
- Permafrost and thermokarst processes in the Nastapoca River area, New-Quebec. Seguin, M.K., et al. (1984, p.11-25, fre) 39-2705
- Analysis of data from the Calgary frost heave test facility. (1984, 29p. + figs., eng) 39-3268
- Permafrost and ground ice investigations, Mayo, Interior Yukon. French, H.M., et al. (1984, 78p., eng) 39-3279
- Explosiveness of frozen rocks. Drogovetko, I.Z., (1984, p.118-125, rus) 39-3394
- Evaluation of accuracy of laboratory compression tests on thawing soils. Ponomarev, V.D., (1984, p.220-222, eng) 39-3814
- Reliability of electric power supply under conditions of the North. Chudinov, G.M., ed. (1977, 117p., rus) 39-3986
- Seasonal variations of grounding resistance. Grachev, V.N., et al. (1977, p.71-78, rus) 39-3990
- Salt and coal-dust treatment of frozen ground around electrical grounding. Iakushev, M.V., et al. (1977, p.94-99, rus) 39-3992
- Methods of studying frozen rocks and ice. Sav'el'ev, B.A., (1985, 222p., rus) 39-4059
- Permafrost preservation
- Cold weather construction, Alaska. (1984, 4 parts, eng) 39-139
- Cold climate facultative lagoons. Tilsforth, T., et al. (1984, p.542-555, eng) 39-879
- Pipelines in the Northern USSR. Ferriars, O.J., Jr., (1984, p.98-99, eng) 39-2136
- Development and environmental protection in the permafrost zone of the USSR: a review. Grave, N.A., (1984, p.116-124, eng) 39-2140
- Federal regulatory responsibilities in permafrost environments. McVee, C.V., et al. (1984, p.125-128, eng) 39-2141
- Terrain and environmental problems associated with exploratory drilling, northern Canada. French, H.M., (1984, p.129-132, eng) 39-2142
- Petroleum exploration and protection of the environment on the National Petroleum Reserve in Alaska. Brewster, M.C., (1984, p.133-134, eng) 39-2143
- Terrain sensitivity and recovery in arctic regions. Webber, P.J., (1984, p.135-136, eng) 39-2144
- Engineering geocryology in the USSR: a review. Vialov, S.S., (1984, p.177-185, eng) 39-2152

- Possible applications of foam cements in protecting the environment in connection with well drilling. Bakshutov, V., (1984, p.208-210, eng) 39-2158
- Prediction of construction characteristics of sluiced materials used in foundations under permafrost conditions and in severe climates. Poleshuk, V.L., (1984, p.286-289, eng) 39-2174
- Some terrain and land-use problems associated with exploratory wellbores, Northern Yukon Territory. French, H.M., (1984, p.365-385, eng) 39-2270
- Determining soil properties by electric cone penetrometer. Aust, J.A., et al., (1985, p.144-152, eng) 39-3168
- See also: Permafrost control
- Permafrost structure**
- Distribution and migration of hydrocarbon gases in permafrost regions. Starobinets, I.S., et al., (1984, p.703-707, rus) 39-150
- Beryllium in sulfates of the cryolithic zone south of Verkhoynsk. Kokin, A.V., (1982, p.200-201, eng) 39-155
- Construction of hydraulic tunnels in the Far North. Zimin, L.B., et al., (1984, p.33-34, rus) 39-161
- Findings of strongly mineralized ice wedges. Vasil'chuk, I.U.K., et al., (1984, p.129-134, rus) 39-347
- Seismic properties of perennially frozen ground. Ivanov, F.I., (1984, p.32-34, rus) 39-413
- Permafrost development in northern West Siberia. Vasil'chuk, I.U.K., et al., (1984, p.134-143, rus) 39-426
- Cryogenic relief of western Siberia. Shpolianskaia, N.A., (1984, p.17-23, rus) 39-580
- Role of extreme natural processes in the development of coastal landscapes of the Sea of Okhotsk. Stepanova, L.E., (1984, p.49-53, rus) 39-671
- Stabilization of roadbeds in swamps. Derbas, V.A., et al., (1984, p.6-7, rus) 39-673
- Structures of northern sea shores. Bashlavin, D.K., et al., (1982, p.174-178, rus) 39-758
- Cryogenic processes and phenomena in Siberia. Nekrasov, I.A., et al., (1984, 164p., rus) 39-832
- Formation and spatial distribution of ground ice accumulations in the Yamal Peninsula. Orlianskii, V.V., (1984, p.22-31, rus) 39-835
- Cryogenic microstructure of surface loams on the Anabar-Olenekskoye plateau. Bazylev, V.A., et al., (1984, p.39-46, rus) 39-837
- Permafrost temperature in swampy landscapes of western Yakutia. Konstantinov, P.I.A., (1984, p.91-95, rus) 39-845
- Cryogenic structure of Edoma formation in the Alazeya River outcrop. Korolev, S.I.U., (1984, p.104-110, rus) 39-847
- Landscape types in river valleys of northern Yakutia. Zaikanov, V.G., (1984, p.110-119, rus) 39-848
- Studying permafrost outcrops in the Kolyma River valley. Murzin, I.U.A., et al., (1984, p.119-127, rus) 39-849
- Ice layers in the extrusive and sedimentary rocks of the Kamchatka Peninsula. Zhiruev, S.P., (1984, p.144-149, rus) 39-852
- Permafrost and environmental protection of major basins in the Stanovoy highlands. Nekrasov, I.A., et al., (1984, p.46-58, rus) 39-902
- Conference of young scientific associates on the geology and geophysics of eastern Siberia, 11th, Irkutsk, Apr. 17-19, 1984. Summaries. Laperdin, V.K., ed., (1984, 240p., rus) 39-915
- Locating ore deposits beneath lacustrine-alluvial permafrost. Makarov, V.N., et al., (1984, p.79-84, rus) 39-1200
- Regularities governing changes in thermal conductivity of coarse-clastics depending on their composition, cryogenic structure and temperature. Ershov, E.D., et al., (1984, p.35-41, rus) 39-1326
- Electromagnetic technique of locating water-bearing zones in permafrost. Kolchin, G.I., et al., (1984, p.77-80, rus) 39-1357
- Cryogenic structure of Quaternary deposits in the Lena-Aldan basin. Ivanov, M.S., (1984, 125p., rus) 39-1397
- Soils and geological conditions of the Nechernozem'e. Sergeev, E.M., ed., (1984, 608p., rus) 39-1424
- Permafrost and hydrogeological conditions of eastern Siberia. Shepelev, V.V., et al., (1984, 191p., rus) 39-1450
- Water exchange functions of cryosphere parts. Mel'nikov, P.I., et al., (1984, p.587-590, rus) 39-1637
- Improving the stability of quarry slopes in the north. Shurgin, B.V., et al., (1983, p.61-71, rus) 39-1893
- Geocryological conditions of the Baykal-Stanovoy Range part of the BAM zone. An, V.V., et al., (1984, 151p., rus) 39-1947
- Thermophysical properties of loess. Komissarova, N.N., et al., (1985, p.52-63, rus) 39-1976
- Pre-weakening perennially frozen rocks. El'chaninov, E.A., (1984, p.9-15, rus) 39-2340
- Compilation of maps of regional evaluation of man-induced thermal settlement of rocks. Shamanova, I.I., (1985, p.72-78, rus) 39-2880
- Cryogenic soils of Yakutia and their utilization. Elovskaya, L.G., ed., (1984, 125p., rus) 39-3020
- Economic development of lands under permafrost conditions. Gavril'ev, P.P., (1984, p.20-34, rus) 39-3022
- Grouping Yakutian lands for agricultural development. Elovskaya, L.G., et al., (1984, p.34-48, rus) 39-3023
- Effect of microrelief on thermal regime of cryogenic soils. Romanov, P.G., (1984, p.75-82, rus) 39-3028
- Late Pleistocene ice wedges in the Kolyma River basin. Vasil'chuk, I.U.K., et al., (1985, p.904-906, rus) 39-3427
- Using tritium analysis in geocryological studies. Chizhov, A.B., et al., (1985, p.106-114, rus) 39-3914
- Methods of studying frozen rocks and ice. Savelev, B.A., (1985, 222p., rus) 39-4059
- Permafrost thermal properties**
- Cryogenesis and the formation of soil. Khudiakov, O.I., (1984, 196p., rus) 39-328
- Results of geological-geophysical studies of eastern Siberia in 1976-1980. Pinneker, E.V., ed., (1982, 136p., rus) 39-32
- Environmental protection in permafrost areas. Leshchikov, F.N., et al., (1982, p.113-118, rus) 39-36
- Permafrost transformation induced by mining activities. Pisarskii, B.I., et al., (1982, p.119-123, rus) 39-37
- Studying and predicting conditions of gas accumulation in gas-hydrate deposits. Cherskii, N.V., et al., (1983, 155p., rus) 39-52
- Construction of hydraulic tunnels in the Far North. Zimin, L.B., et al., (1984, p.33-34, rus) 39-161
- Laterally loaded piles in permafrost. Nixon, J.F., (1984, p.431-438, eng) 39-491
- Permafrost physics in the Bayan-Nuurin-khotnor basin. Mongolia. Babinski, Z., (1978, p.165-172, eng) 39-535
- Schefferville permafrost research, Vol.1. Granberg, H.B., et al., (1984, 80p. + append., eng) 39-567
- Thermal regime of rocks at watersheds in the Vilyuy area. Klimovskii, I.V., et al., (1984, p.83-90, rus) 39-844
- Landscape types in river valleys of northern Yakutia. Zaikanov, V.G., (1984, p.110-119, rus) 39-848
- Predicting thermal state of the ground during economic development of northern regions. Chernad'ev, V.P., et al., (1984, 137p., rus) 39-869
- Offshore permafrost analysis. (1980, 20p. + append., eng) 39-1045
- Feasibility study of permafrost thawing regime by electric heaters. Maksimenko, E.S., (1984, p.34-36, eng) 39-1077
- Regularities governing changes in thermal conductivity of coarse-clastics depending on their composition, cryogenic structure and temperature. Ershov, E.D., et al., (1984, p.35-41, rus) 39-1326
- Blasting of earth in the construction of main pipelines and underground storages. Globa, V.M., (1984, 239p., rus) 39-1356
- Permafrost in the Yamal-Gydan area of western Siberia. IUnak, R.I., (1979, p.49-63, eng) 39-1368
- Cryogenic structure of Quaternary deposits in the Lena-Aldan basin. Ivanov, M.S., (1984, 125p., rus) 39-1397
- Temperature measurements in permafrost. Osterkamp, T.E., (1984, 87p., eng) 39-1721
- Improving the efficiency of mining in the north. Izakson, V.I.U., ed., (1983, 85p., rus) 39-1885
- Improving the methods of mining excavation in northeastern mines. Popkov, V.E., et al., (1983, p.3-12, rus) 39-1886
- Pillarless mining under permafrost conditions. Strel'nikov, K.M., et al., (1983, p.12-21, rus) 39-1887
- Agrophytocenotic aspects of grass sowing in permafrost areas. Denisov, G.V., (1984, 250p., rus) 39-1950
- Thermophysical properties of loess. Komissarova, N.N., et al., (1985, p.52-63, rus) 39-1976
- Principles of thermorheology of cryogenic soils. Grechishchev, S.E., (1984, p.52-54, eng) 39-2126
- Status of numerical models for heat and mass transfer in frost-susceptible soils. Berg, R.L., (1984, p.67-71, eng) 39-2130
- Subsea permafrost distribution on the Alaskan shelf. Sellmann, P.V., et al., (1984, p.75-82, eng) 39-2131
- Hot-oil and chilled-gas pipeline interaction with permafrost. Mathews, A.C., (1984, p.101-105, eng) 39-2137
- Pipeline workpads in Alaska. Metz, M.C., (1984, p.106-108, eng) 39-2138
- Performance of the trans-Alaska oil pipeline. Johnson, E.R., (1984, p.109-111, eng) 39-2139
- Response of Alaskan permafrost to climate. Osterkamp, T.E., (1984, p.145-152, eng) 39-2146
- Climate change and other effects on permafrost. Smith, M., (1984, p.153-155, eng) 39-2147
- Effects of variations in the latent heat of ice fusion in soils on interaction of boreholes with permafrost. Anisimov, M.A., et al., (1984, p.200-203, eng) 39-2156
- Thermal regime of permafrost soils in the USSR. Gavrilova, M.K., (1984, p.226-230, eng) 39-2162
- Characteristics of soil temperature regimes in the Inuvik area. Tarnocai, C., (1984, p.19-37, eng) 39-2264
- Offshore permafrost well design lateral soil movement-induced bending strains. Laut, S.W., et al., (1985, p.47-51, eng) 39-2394
- Compilation of maps of regional evaluation of man-induced thermal settlement of rocks. Shamanova, I.I., (1985, p.72-78, rus) 39-2880
- Offshore permafrost well design lateral soil movement-induced bending strains. Laut, S.W., et al., (1985, p.195-198, eng) 39-3289
- Calculating optimal amounts of drilling fluids for thawing rocks. Sedov, V.T., (1985, p.13-15, rus) 39-3298
- Migration of chemical elements in the cryolithozone. Makarov, V.N., ed., (1985, 129p., rus) 39-3351
- Formation of secondary halos of ore minerals in permafrost. Pitul'ko, V.M., (1985, p.21-40, rus) 39-3354
- Mobility of chemical elements in periglacial lithogenesis. Makarov, V.N., (1985, p.50-61, rus) 39-3356
- Adsorption modification method of increasing ice formation temperature. Nechaev, E.A., et al., (1985, p.99-107, rus) 39-3360
- Snow effects on pile design temperatures. Metz, M.C., et al., (1985, p.52-60, eng) 39-3582
- Geocryological conditions of the Altai-Sayan mountain region. Shats, M.M., (1978, 103p., rus) 39-3982
- Methods of studying frozen rocks and ice. Savelev, B.A., (1985, 222p., rus) 39-4059
- Permafrost thickness**
- Seismic properties of perennially frozen ground. Ivanov, F.I., (1984, p.32-34, rus) 39-413
- Hydrogeological studies of eastern USSR and some Asiatic countries. Pinneker, E.V., ed., (1983, 174p., rus) 39-466
- Hydrogeological mapping of cryogenic processes. Kononova, R.S., et al., (1983, p.130-136, rus) 39-470
- Thermal regime of rocks at watersheds in the Vilyuy area. Klimovskii, I.V., et al., (1984, p.83-90, rus) 39-844
- Calculating the depth of discontinuous permafrost beneath buildings. Khristalev, L.N., et al., (1984, p.30-33, eng) 39-1076
- Cryogenic structure of Quaternary deposits in the Lena-Aldan basin. Ivanov, M.S., (1984, 125p., rus) 39-1397
- Permafrost formation in the Chita-Ingoda depression. Shavrin, P.A., (1984, p.151-154, rus) 39-1420
- Permafrost transformation**
- Environmental protection in permafrost areas. Leshchikov, F.N., et al., (1982, p.113-118, rus) 39-36
- Strengthening frozen bases by cooling. Gapeev, S.I., (1984, 152p., rus) 39-1322
- Preservation and stability of landscapes affected by human activities. Matveev, N.P., ed., (1984, 107p., rus) 39-3807
- Prospects for the development of northern landscapes affected by human activities. Solov'eva, O.V., (1984, p.31-35, rus) 39-3809
- Permafrost weathering**
- Permafrost development in northern West Siberia. Vasil'chuk, I.U.K., et al., (1984, p.134-143, rus) 39-426
- Hydrogeological studies of eastern USSR and some Asiatic countries. Pinneker, E.V., ed., (1983, 174p., rus) 39-466
- Cryogenic relief of western Siberia. Shpolianskaia, N.A., (1984, p.17-23, rus) 39-580
- Cryogenic relief-forming processes in the Upper Barguzin River basin. Vyrtin, V.B., (1984, p.47-51, rus) 39-838
- Thermal erosion in permafrost areas. Krapachev, A.V., et al., (1984, p.65-70, rus) 39-841
- Methods of geochemical exploration used in northern Siberia. Polikarpovich, V.V., ed., (1984, 177p., rus) 39-1190
- Geochemical exploration in permafrost areas. Pitul'ko, V.M., (1984, p.42-45, rus) 39-1194
- Peculiarities of secondary lithochemical halos in permafrost areas. Kviatkovskii, E.M., et al., (1984, p.45-56, rus) 39-1195
- Permafrost weathering and mineral transport and accumulations. Khmeleva, N.V., et al., (1984, p.67-73, rus) 39-1198
- Formation of secondary halos of ore minerals in permafrost. Pitul'ko, V.M., (1985, p.21-40, rus) 39-3354
- Cryogenic migration of chemical elements in the upper Yana River area. Kokin, A.V., (1985, p.40-50, rus) 39-3355
- Mechanical, fluvial and biogenic migration of gold in permafrost. Talsae, T.T., et al., (1985, p.61-70, rus) 39-3357
- Chemical weathering of pyrite in permafrost. Ivanov, A.V., et al., (1985, p.115-123, rus) 39-3362
- Permeability**
- See: Seepage, Snow permeability
- Peru**
- Andes
- Isotope stratification in high mountain glaciers: examples from the Peruvian Andes and Himalaya. Grabczak, J., et al., (1983, p.417-424, eng) 39-203
- Periglacial processes in the Peruvian Andes. Francou, B., (1984, p.113-126, fre) 39-3927
- Petrogenesis**
- Petrogenic gas forms a pockmark field in the Barents Sea. Solheim, A., et al., (1985, p.11-19, eng) 39-3885
- Petroleum**
- See: Crude oil

Petroleum industry

- Sand mining in swamps through boreholes. Latyshev, V., (1984, p.8-9, rus) 39-224
- Floating drilling rigs designed for the North. Gudze, A.A., et al. (1984, p.3-4, eng) 39-1336
- Biodegradation of hydrocarbons in the petroleum-polluted soil of northern taiga. Kazakova, E.N., et al. (1984, p.84-85, rus) 39-1429
- Drilling and casing-off wells in permafrost regions. Bibliography. Panina, T.I., (1983, 45p., rus) 39-1441
- Subsea permafrost and petroleum development. Jahns, H.O., (1984, p.90-92, eng) 39-2134
- Scientific-practical conference on the topic "Man and nature in the Far East", Vladivostok, Oct. 4-5, 1984. Summaries. Krasnov, E.V., ed. (1984, 166p., rus) 39-3059
- Economic development of the Far North. Tsurikov, A.A., (1984, p.64-66, rus) 39-3060
- Oil and gas technologies for the Arctic and deepwater (1985, 227p., eng) 39-3087
- Oil, strategy & ocean law in the Arctic: a scenario for the 21st century. Ostrang, W., (1985, p.99-116, eng) 39-3335
- Exploration and production concepts and projects for Arctic offshore. Frederking, R.M.W., (1984, p.387-414, eng) 39-3507

Petroleum transportation

- Bering Sea crude oil transportation systems. Padron, D.V., et al. (1985, p.989-997, eng) 39-3237

Phase transformations

- Modeling the freezing process of slush-bearing rivers. Abramov, N.M., (1984, 100p., rus) 39-53
- Obtaining clathrate-type polyhydrates for ammonium iodides. Diadin, I.U.A., et al. (1984, p.13-18, rus) 39-321
- Water-dioxane clathrates at atmospheric pressure. Diadin, I.U.A., et al. (1984, p.67-73, rus) 39-344
- Water-dioxane clathrates at 10 kbar pressure. Zelenin, I.U.M., et al. (1984, p.73-78, rus) 39-345
- Clathrates in water-ammonium salts systems. Diadin, I.U.A., et al. (1984, p.79-84, rus) 39-346
- Duration of the freezing of bodies with variable temperature of the medium. Koval'kov, V.P., (1984, p.78-84, eng) 39-352
- Modeling two-dimensional freezing. Albert, M.R., (1984, 45p., eng) 39-383
- Electrification accompanying melting of ice and snow. Selvikian, I.A.V., (1984, p.51-54, rus) 39-460
- Nonequilibrium crystallization of moisture in frozen soils. Nesterov, I.I., et al. (1984, p.928-932, rus) 39-746
- Migration of ore elements in cryolithozones. Vagner, B.B., (1984, p.85-89, rus) 39-749
- Problems of hydrodynamics with free boundaries. Monakhov, V.N., ed. (1984, 169p., rus) 39-1118
- Structure of generalized solution of a univariate Stefan problem. Kaliev, I.A., et al. (1984, p.24-47, rus) 39-1119
- Time periodic solution of a thermal diffusion Stefan Problem. Petrova, A.G., (1984, p.82-98, rus) 39-1120
- Studying changes in frozen rocks in ultra-high-frequency fields. Nekrasov, L.B., et al. (1983, p.105-118, rus) 39-1159
- Two-dimensional ice-type vertex model with two types of staggered sites. I. The free energy and polarization. Bariev, R.Z., (1982, p.1021-1028, eng) 39-1649
- Two-dimensional ice-type vertex model with two types of staggered sites. II. A system of two interacting modified KDP models. Bariev, R.Z., (1984, p.207-210, eng) 39-1650
- Ground freezing problems. Askar, H.G., (1982, 217p., eng) 39-2003
- Equilibrium low-temperature structure of ice. Leadbetter, A.J., et al. (1985, p.424-428, eng) 39-2046
- Freezing of soil with phase change occurring over a finite temperature zone. Lunardini, V.J., (1985, p.38-46, eng) 39-2393
- Phase transition in hexagonal doped ice. Tajima, Y., et al. (1984, p.1135-1144, eng) 39-2491
- Numerical solution of the quasistationary axisymmetric Stefan problem. Vabishchevich, P.N., et al. (1984, p.371-376, eng) 39-2551
- Mass crystallization and crystal growth rate. Moshinski, A.I., et al. (1984, p.899-904, eng) 39-3819
- Computation of porous media natural convection flow and phase change. O'Neill, K., et al. (1984, p.213-229, eng) 39-3981
- Irreversible condensation conditions near the cryosurface. Sekulic, D.P., (1985, p.1205-1214, eng) 39-4021
- See also: Solid phases

Photogrammetric surveys

- New map "Nordliches Bockarkees 1979", 1:100,000. Slupetzky, H., et al. (1983, p.163-171, eng) 39-1966
- Discharge of ice-choked streams during spring breakup. Sherstone, D.A., (1980, 69p., eng) 39-2702
- Photogrammetry in western New Schwabenland 1983/84. Sievers, J., et al. (1985, p.68-71, ger) 39-2808
- Aerial engineering surveys for road construction. Fedorov, V.I., et al. (1984, 240p., rus) 39-3325
- Photogrammetry**
- Photogrammetry 1983/84 in western New Schwabenland. Sievers, J., et al. (1984, p.156-164, ger) 39-1613

Photographic reconnaissance

- Smoke Week VI. SNOW-TWO observations. Ebersole, J.F., et al. (1984, p.405-407, eng) 39-2979

Photographic techniques

- Orthophoto technique in high mountains. Pillewizer, W., (1982, p.358-367, ger) 39-2471

Photography

- Albedo studies on a glacier by means of black-and-white photographs. Kiesel, H., (1982, p.284-286, ger) 39-1218

- Landscape as viewed in the 320-nm ultraviolet. Livingston, W., (1983, p.1653-1657, eng) 39-1222

- Photogrammetry 1983/84 in western New Schwabenland. Sievers, J., et al. (1984, p.156-164, ger) 39-1613

- Thin sectioning and surface replication of ice at low temperature. Daley, M.A., et al. (1984, p.248-250, eng) 39-1685

- See also: Infrared photography; Radar photography; Spaceborne photography; Stereophotography

Photointerpretation

- Aerial surveys of gas pipelines. Marakhtanov, V.P., et al. (1984, p.35-37, rus) 39-123

- Aerial photographic interpretation of coarse-grained till. Viberg, L., (1984, p.15-16, eng) 39-146

- Satellite surveying of northern forests. El'man, R.I., et al. (1984, p.53-55, rus) 39-348

- Spaceborne photography in road construction. Revzon, A.L., et al. (1984, p.15-17, rus) 39-354

- Life of the Earth. Global tectonics and dynamics of natural processes. Ushakov, S.A., ed. (1984, 152p., rus) 39-389

- Satellite information for studying snow and ice covers. Ushakova, L.A., (1984, p.73-79, rus) 39-392

- Mean position of the snow cover boundaries in the Northern Hemisphere. Budoyvi, V.D., et al. (1983, p.88-90, eng) 39-587

- Recent glaciation of the Ala-Archa River basin. Aizin, V.B., (1984, p.111-120, rus) 39-642

- Relations between naled thickness and elevations in river basins. Kosonkov, V.L., et al. (1984, p.51-55, rus) 39-839

- Influence of Arctic natural conditions on the information content of satellite photographs. Kuteinkova, N.S., et al. (1984, p.5-11, rus) 39-1108

- Interpretation of anomalies in spaceborne photographs of Arctic Ocean bottom. Gurevich, V.I., et al. (1984, p.94-108, rus) 39-1111

- Aerial, satellite and cartographic methods of studying environments. Summaries of reports presented at the 4th section of the 7th meeting of the Geographic Society of the USSR. Kondrat'ev, K.I.A., ed. (1980, 126p., rus) 39-1327

- Using satellite information in hydrologic studies of mountainous countries. Ivanian, G.A., et al. (1980, p.8, rus) 39-1328

- Combined geographic investigation methods of Siberia. Plastinin, L.A., et al. (1980, p.14-16, rus) 39-1329

- Mapping subarctic regions from satellite photographs. Astakhova, V.A., et al. (1980, p.20-22, rus) 39-1330

- Satellite photography of western and central Siberia. Astakhov, V.I., et al. (1980, p.24-25, rus) 39-1331

- Studying northwestern Siberia landscapes from satellite photographs. Moskalenko, N.G., et al. (1980, p.29, rus) 39-1332

- Studying paludal areas from aerial photographs. Kirushkin, V.N., et al. (1980, p.38-39, rus) 39-1334

- Using aerial and satellite information in geological mapping. Deleur, M.S., et al. (1980, p.39-41, rus) 39-1335

- Environmental impact of human activities. Kontobitseva, I.S., et al. (1984, p.11-18, rus) 39-1386

- Glacial mudflows in the Himalayas. Sen'kovskaya, N.F., (1984, p.81-87, rus) 39-1388

- Manual for Military Topography, USSR. Ministry of Defense, Moscow. Govorukhin, A.M., et al. (1980, 352p., rus) 39-1390

- All-Union Conference on aerial and space methods of studying forests, Krasnoyarsk, July 7-9, 1984. Summaries of reports (1984, 186p., rus) 39-1480

- Aerial and satellite surveys of Siberian forests. Isaev, A.S., (1984, p.3-5, rus) 39-1481

- Mapping taiga from satellite photographs. Plastinin, L.A., (1984, p.39-40, rus) 39-1485

- Satellite technique of mapping mountain taiga. Abalakov, A.D., (1984, p.41-42, rus) 39-1486

- Satellite methods of studying soil cover of forest lands. Andronikov, V.I., et al. (1984, p.45-47, rus) 39-1487

- Mapping taiga soils from satellite photographs. V.M., et al. (1984, p.47-49, rus) 39-1488

- Compiling geobotanical map of northern taiga. Paian'skaya-Gvozdeva, I.I., (1984, p.59-60, rus) 39-1491

- Forest cover differentiation on satellite photographs. Orbanov, V.I.A., et al. (1984, p.64-67, rus) 39-1492

- Studying slope processes in Caucasian forests. Imanov, N.A., et al. (1984, p.103-104, rus) 39-1495

- Chronologic changes in snow line position from satellite photographs. Prokacheva, V.G., et al. (1984, p.20-28, rus) 39-1689

- Observing snow melting in industrial centers. Prokacheva, V.G., et al. (1984, p.28-36, rus) 39-1690

- Identifying the boundaries of ground-water naleds on aerial photographs. Griazeva, L.I., et al. (1984, p.63-73, rus) 39-1696

- Identifying naleds on multizonal aerial photographs. Abakumenko, A.E., (1984, p.73-80, rus) 39-1697

- Combined satellite surveys of Siberia. Ianshin, A.L., ed. (1984, 96p., rus) 39-1972

- Interpretation of winter-time satellite photographs of mountains. Volkov, I.A., (1984, p.79-85 + 16 plates, rus) 39-1974

- Geological interpretation of satellite photographs of antarctic mountain regions. Bud'ko, V.M., (1985, p.50-55, rus) 39-2893

- Satellite methods of ground-water prospecting. Sadov, A.V., et al. (1985, 144p., rus) 39-3686

- See also: Geobotanical interpretation

- Photosynthesis**

- Ecologic and physiological characteristics of Arctic and Subarctic tundra plants. Maslova, T.G., et al. (1984, p.90-91, rus) 39-525

- Thermal eutrophy of northern ponds. Kuksin, M.S., (1984, p.19-31, rus) 39-821

- Late winter chlorophyll *a* distributions in the Weddell Sea. Marra, J., et al. (1984, p.197-205, eng) 39-1826

- Photosynthetic carbon assimilation in sea-ice microalgae from McMurdo Sound. Palmisano, A.C., et al. (1985, p.674-678, eng) 39-3743

- Physical properties**

- On physical properties in the process of freezing and the method of its research. Ding, D., (1983, p.19-26, chi) 39-263

- See also: Atmospheric physics; Frozen ground physics; Ice physics; Permafrost physics; Snow physics; Soil physics

- Physiology**

- See: Plant physiology

- Piers**

- Bridge construction on icebound river. Rasskazov, I.D., et al. (1984, p.10-11, rus) 39-674

- Organization of bridge construction in the western section of the BAM. Rasskazov, I.D., et al. (1984, p.17-19, rus) 39-1167

- Construction of small and medium size bridges with all-sectional columnar supports. Blinkov, L.S., (1984, p.20-21, rus) 39-1168

- Bridge construction on permafrost. Blinkov, L.S., (1984, p.11-12, rus) 39-1255

- Dynamic forces of ice floes acting on bridge piers. Sun, Z.-F., et al. (1984, p.147-155, eng) 39-1800

- Naleds in drill-holes for bridge piers. Tsar'kov, A.A., et al. (1980, p.114-123, rus) 39-2982

- Bridges on rivers crossing northern swamps. Bialik, B.F., et al. (1985, p.14-17, rus) 39-3117

- Large bridges of Siberia. Bypov, I.G., (1984, p.59-60, rus) 39-3879

- See also: Docks; Wharves

- Pile driving**

- Single-pile foundations for industrial objects. Nakonechniy, N.I., et al. (1984, p.23-25, rus) 39-1033

- Pile foundations. (1984, 114p., eng) 39-2088

- Placing of deep pile foundations in permafrost in the USSR. Vialov, S.S., (1984, p.16-17, eng) 39-2121

- Study and practice on deep foundations in permafrost areas of China. Ding, J., (1984, p.18-24, eng) 39-2122

- Design and construction of deep foundations in permafrost: North American practice. Ladanyi, B., (1984, p.43-50, eng) 39-2125

- Construction of deep pile foundations in permafrost in the USSR: a summary. Sadovskii, A.V., (1984, p.186-187, eng) 39-2153

- Pile extraction**

- Extraction of piles by repeated water-level fluctuations. Thunbo Christensen, F., et al. (1984, p.111-121, eng) 39-1797

- Ice uplift forces on a pile. Coc, T.J., (1982, 81p., eng) 39-1840

- Research challenges in frozen ground pile design. Bro, A., (1985, 1196-1205, eng) 39-3252

- Pile load tests**

- Roughness criterion for steel piles in frozen sand. Alwahhab, M.R.M., et al. (1984, p.1288-1291, eng) 39-1112

- Laterally loaded piles in permafrost. Nixon, J.F., (1984, p.431-438, eng) 39-491

- Response of piles and casings to horizontal free-field soil displacements. Byrne, P.M., et al. (1984, p.720-728, eng) 39-3035

- Pile structures**

- Strength of pile foundations built on thawing permafrost. Sal'nikov, P.I., et al. (1984, p.42-48, rus) 39-416

- Equipment for building broad-base built-in-situ piles in water saturated ground. Kharchenko, V.V., et al. (1984, p.11-12, rus) 39-1346

- Bridges on rivers crossing northern swamps. Bialik, B.F., et al. (1985, p.14-17, rus) 39-3117

- Use of the cone penetration test for the design of piles in permafrost. Ladanyi, B., (1985, p.183-187, eng) 39-3287

- Foundations in permafrost and seasonal frost. Proceedings (1985, 62p., eng) 39-3578

- Arctic foundation selection: a decision matrix. LaVieille, C., et al. (1985, p.1-14, eng) 39-3579
- Attenuating creep of piles in frozen soils. Parameswaran, V.R., (1985, p.16-28, eng) 39-3580
- Piles**
- Design of pile foundations built on permafrost. Milovanov, A.F., et al. (1984, p.20-21, rus) 39-356
- Piling aids gravity in ice resistance. Bea, R.G., et al. (1984, p.99-100, eng) 39-813
- Foundations of light-weight buildings on permafrost. Gerasimov, A.S. (1984, 152p., rus) 39-955
- Construction of main pipelines in western Siberia. IAgovkin, V.N. (1984, p.12-13, rus) 39-1031
- Thermal drilling of boreholes for pile supports in frozen ground. Sherstiuk, B.F., et al. (1984, p.31-34, rus) 39-1034
- Bearing capacity of pile foundations in sagging loess soils. Buslov, A.S., et al. (1983, 105p., rus) 39-1240
- Bridge construction on permafrost. Blinkov, L.S., (1984, p.11-12, rus) 39-1255
- Equipment for building broad-base built-in-situ piles in water saturated ground. Kharchenko, V.V., et al. (1984, p.11-12, rus) 39-1346
- API bulletin on planning, designing, and constructing fixed offshore structures in ice environments. (1982, 49p., eng) 39-1383
- API recommended practice for planning, designing, and constructing fixed offshore platforms. (1984, 115p., eng) 39-1384
- Pile foundations in paludal taiga. Pylaev, E.L., et al. (1984, p.57-58, rus) 39-1641
- Effect of structural properties on ice-induced self-excited vibrations. Mäkitäinen, M., (1984, p.11-20, eng) 39-1788
- Analysis of piles frozen-in to an ice cover and subjected to forces that cause pile bending. Kerr, A.D., (1984, p.123-134, eng) 39-1798
- Dynamic ice forces on piles. Khrapaty, N., et al. (1984, p.135-145, eng) 39-1799
- Engineering geocryology in the USSR: a review. Vialov, S.S., (1984, p.177-185, eng) 39-2152
- Structures for gas transportation to northern mines. Zinevich, A.M., et al. (1985, p.14-15, rus) 39-2224
- Combined mechanization schemes for construction of industrial pipelines. (1985, p.23-26, rus) 39-2226
- Thawing depth of permafrost beneath pile foundations. Varshavskii, I.P., et al. (1985, p.30-31, rus) 39-2227
- Bearing strength of tubular piles in permafrost. Garanin, L.I. (1985, p.37-38, rus) 39-2228
- Pile foundations of buildings and structures on sagging ground. Grigorian, A.A. (1984, 162p., rus) 39-2239
- Site surveying for smaller structures in permafrost areas. Druzhinin, M.K., (1985, p.18-19, rus) 39-2864
- Centrifugal modeling of ice forces on single piles. Vinson, T.S., et al. (1985, p.489-497, eng) 39-3198
- Pile creep designs for frozen layered profiles. Neukirchner, R.J., (1985, p.1103-1111, eng) 39-3246
- Snow effects on pile design temperatures. Metz, M.C., et al. (1985, p.52-60, eng) 39-3582
- Foundation design for permafrost areas. Khrustalev, L.N., et al. (1984, p.216-219, eng) 39-3813
- Pile foundation deformation and frost heave. Kosterin, E.V., (1985, p.247-251, eng) 39-3817
- See also: Concrete piles; Thermopiles
- Pingos**
- Underwater pingos of the Beaufort Sea—a review. Gendzwil, D.J., (1983, p.1-9, eng) 39-1747
- Periglacial geomorphology. Potter, N., Jr., (1984, p.226-232, eng) 39-2570
- Pipe laying**
- Pipelines in the Beaufort Sea. Timmermans, W.J., (1982, p.113-120, 125-126, eng) 39-1477
- International pipelines. Hale, D., (1984, p.16-18, eng) 39-1725
- Mobile-crew flow-type method of building the transcontinental pipeline Urengoy-Pomary-Uzhgorod. Sudobin, G.N., et al. (1985, p.12-13, rus) 39-2223
- Combined mechanization schemes for construction of industrial pipelines. (1985, p.23-26, rus) 39-2226
- Seam-blasting of frozen ground. Balbachan, I.P., et al. (1985, p.12-14, rus) 39-2734
- Review of pipeline construction in western Siberia. Kuramin, V.P., et al. (1985, 50p., rus) 39-3101
- Directional drilling to install Arctic marine pipelines. Peebles, E.E., (1985, p.783-791, eng) 39-3223
- Pipeline landfill construction by horizontal drilling. Hair, J.D., (1985, p.792-800, eng) 39-3224
- Electromagnetic load-lifting device. Timin, V.N., et al. (1985, p.28-29, rus) 39-3994
- Pipeline-freezing**
- Hydraulic tests of oil pipelines in freezing weather. Furman, A.V., (1984, p.79-85, rus) 39-424
- Assembly for testing plastic pipes by internal hydrostatic pressure. Gol'dshtrakh, I.Z., et al. (1984, p.71-74, rus) 39-1117
- Formation of ice in underground water lines. Karaush, S.A., (1984, p.102-105, rus) 39-2074
- Freezing and blocking of water pipes. Carey, K.L., (1982, 11p., eng) 39-2093
- Ice-blocked drainage: problems and processes. Carey, K.L., (1983, 9p., eng) 39-2095
- Solving problems of ice-blocked drainage. Carey, K.L., (1984, 9p., eng) 39-2097
- Freezing in a pipe with turbulent flow. Albert, M.R., et al. (1983, p.102-112, eng) 39-3963
- Adfreezing forces to a pipe within freezing round. Fukuda, M., et al. (1984, p.185-187, jpn) 39-4048
- Pipeline heating**
- Road surface deicing device. Cox, S.M., (1976, 2 col. + figs., eng) 39-3849
- Pipeline insulation**
- Thermal insulation for northern oil fields. Shaposhnikov, V.I.A., et al. (1984, p.45-47, rus) 39-1036
- Bibliography on pipeline insulation and corrosion. (1983, 81p., eng) 39-1515
- Heat transfer between soil, thermal insulation and underground pipes. Tikhomirov, A.L., et al. (1984, p.113-115, rus) 39-2075
- Thermal interaction between pipelines and the environment. Krivoshein, B.L., (1984, p.242-247, eng) 39-2165
- Pipeline supports**
- Review of pipeline construction in western Siberia. Kuramin, V.P., et al. (1985, 50p., rus) 39-3101
- Snow effects on pile design temperatures. Metz, M.C., et al. (1985, p.52-60, eng) 39-3582
- Pipelines**
- Engineering and geocryological investigations. Deriugin, A.G., ed. (1994, 76p., rus) 39-407
- Changes in hydrogeological conditions caused by pipeline construction on permafrost. Stepanova, S.G., (1984, p.3-10, rus) 39-408
- Foundations for offshore structures. Bea, R.G., (1984, p.22-30, eng) 39-574
- Construction in the Tyumen' area. Gusev, V.A., (1984, p.7-9, rus) 39-790
- Pipeline construction in cold, swampy regions. Tikhonov, A.I., et al. (1984, 81p., rus) 39-938
- Construction of main pipelines in western Siberia. IAgovkin, V.N., (1984, p.12-13, rus) 39-1031
- Technical and economic analysis of pipeline ballasting. Shukaev, V.A., et al. (1984, p.17-19, rus) 39-1032
- Arctic news record, Summer 1984, Vol.3 No.2. (1984, 62p., eng) 39-1203
- Interview with official of the Soviet ministry of the petroleum industry. Kliuchnikova, L.P., (1985, p.6-8, rus) 39-2025
- Social and housing conditions in the Yamburg gas field. Asenkov, V.I., (1985, p.11, rus) 39-2029
- Methods of accelerated construction of pipeline systems from western Siberia. Shabanov, P.P., (1985, p.14-15, rus) 39-2030
- Thermopiles for permafrost control in Siberia. Baar, S.L., et al. (1984, p.11-12, rus) 39-2101
- Subsea permafrost and petroleum development. Jahns, H.O., (1984, p.90-92, eng) 39-2134
- Pipelines in the Northern USSR. Ferrians, O.J., Jr., (1984, p.98-99, eng) 39-2136
- Principles of terrain classification for pipeline construction. Demidiuk, L.M., et al. (1984, p.217-221, eng) 39-2160
- Protection of Arctic submarine pipelines against ice scour. Nassim, M.A., et al. (1985, p.610-617, eng) 39-2385
- Large-capacity ships in the Arctic. Il'inski, K., (1985, p.27-32, rus) 39-2455
- Winterizing a pipeline. Hodge, R.E., (1984, p.20-25, eng) 39-2481
- Rules for the development of united regional appraisals for structures and construction work. (1985, 156p., rus) 39-2516
- Problems of engineering glaciology. Osokin, N.I., (1984, p.215-219, rus) 39-2794
- Ecological aspects of economic development of the North. Budkov, S.T., (1984, p.79-80, rus) 39-3062
- Pipeline hardware: special designs for Arctic projects. Key, J.M., (1985, p.801-811, eng) 39-3225
- Bering Sea crude oil transportation systems. Padron, D.V., et al. (1985, p.989-997, eng) 39-3237
- Analysis of data from the Calgary frost heave test facility. (1984, 29p. + figs., eng) 39-3268
- Industrialized construction of petroleum industry objects. Andrienko, V.G., et al. (1985, 342p., rus) 39-3313
- Review of the development and construction technology of northern petroleum fields. Berezin, V.L., et al. (1985, 51p., rus) 39-3426
- Thermal interaction between a pipeline and the surrounding frozen ground. Brekhan, I.A., et al. (1984, p.149-155, eng) 39-3429
- Earthwork for the construction of self-flowing thermoplastic pipelines. Ostavnov, A.A., (1985, p.38-43, rus) 39-3823
- See also: Gas pipelines; Hot oil lines; Suspended pipelines; Underground pipelines; Water pipelines
- Pipes (tubes)**
- Assembly for testing plastic pipes by internal hydrostatic pressure. Gol'dshtrakh, I.Z., et al. (1984, p.71-74, rus) 39-1117
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- Thermal interaction between a pipeline and the surrounding frozen ground. Brekhan, I.A., et al. (1984, p.149-155, eng) 39-3429
- See also: Heat pipes; Water pipes
- Pits (excavations)**
- Environmental guidelines: pits and quarries. (1982, 69p., eng) 39-2900
- Placer mining**
- Methods of geochemical exploration used in northern Siberia. Polikarpochkin, V.V., ed. (1984, 177p., rus) 39-1190
- Permafrost weathering and mineral transport and accumulations. Khmeleva, N.V., et al. (1984, p.67-73, rus) 39-1198
- Locating ore deposits beneath lacustrine-alluvial permafrost. Makarov, V.N., et al. (1984, p.79-84, rus) 39-1200
- Exploration of dispersion streams under permafrost conditions. Gundobin, G.M., et al. (1984, p.102-108, rus) 39-1201
- Improving the efficiency of mining in the north. Izakson, V.I.U., ed. (1983, 85p., rus) 39-1885
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- Combined method of placer mining in permafrost. Chugunov, I.U.D., (1983, p.40-43, rus) 39-1891
- Breaking rocks by explosions. Kutuzov, B.N., ed. (1984, 248p., rus) 39-3393
- Basic trends in using explosives in mining frozen placers. Eguinov, A.A., (1984, p.136-140, rus) 39-3397
- Locating boulder accumulations and sporadic permafrost when mining placers. Matveev, A.A., et al. (1985, p.14-18, rus) 39-3546
- Drilling large-diameter wells in perennially frozen placers. Minakov, V.M., et al. (1985, p.38-41, rus) 39-3551
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- Structures of northern sea shores. Bashlavin, D.K., et al. (1982, p.174-178, rus) 39-758
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- Cryogenic phenomena in landscape types of Kamchatka Peninsula. Bykasov, V.E., (1977, p.196-202, rus) 39-1906
- Regionalization of western Siberia according to peculiarities of peat deposits. Kashperuk, P.I., et al. (1985, p.88-94, rus) 39-3913
- Geomorphology of the North Siberian plain (the northern and central parts). Zemtsov, A.A., (1976, 342p., rus) 39-3985
- See also: Floodplains
- Planetary environments**
- Environments of the Earth as seen from space. Kozlov, N.P., ed. (1984, 151p., rus) 39-2037
- Ice satellites of Jupiter and Saturn. Ahrens, T.J., et al. (1984, 44p., eng) 39-2090
- Planetology in the laboratory with ice. Thomsen, D.E., (1984, p.133, eng) 39-2454
- Cryosphere and cryopoles of the Earth and planets. Tolstikhin, N.I., (1985, p.13-21, rus) 39-3353
- See also: Mars (planet)
- Plankton**
- Oceanography of the antarctic marginal ice zone. Smith, W.O., et al. (1983, p.190-192, eng) 39-311
- Chemical-biological indication of water masses in the Chukchi Sea. Ryzhov, V.M., et al. (1984, p.26-40, rus) 39-471
- Thermal eutrophy of northern ponds. Kuken, M.S., (1984, p.19-31, rus) 39-821
- Paralabidocera antarctica* occurrence and age composition at Showa Station. Tanimura, A., et al. (1984, p.81-86, eng) 39-1069
- Ecological bases of lake bioproductivity in different natural zones. Kitaev, S.P., (1984, 207p., rus) 39-1436
- Diatoms from the ice edge of the Bering Sea. Van Baalen, C., et al. (1983, p.1019-1023, eng) 39-1644
- Marine phytoplankton and sea ice microalgae, Arctic Canada. Hsiao, S.I.C., (1983, p.225-313, eng) 39-1742
- Siliceous microfauna in waters beneath antarctic sea ice. Morley, J.J., et al. (1984, p.207-210, eng) 39-1827
- Phytoplankton abundance, chlorophyll *a*, and primary productivity in the western Beaufort Sea. Horner, R., (1984, p.295-310, eng) 39-1881
- Plankton in the ice of the Ross Sea. Smith, W.O., et al. (1985, p.163-166, eng) 39-3140
- Model of phytoplankton in the marginal sea-ice zone of the Barents Sea. Slagstad, D., (1983, p.35-48, eng) 39-3154
- Ice and hydrographic effects on Barents Sea phytoplankton. Rey, F., et al. (1983, p.49-63, eng) 39-3155
- Sea ice algal communities in the Weddell Sea. Garrison, D.L., et al. (1983, p.103-122, eng) 39-3156

Plant ecology

- Bryolichenological studies of high-altitude regions and the northern USSR. Shliakov, R.N., ed. (1981, 125p., rus.) 39-55
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- Endemism of bryoflora in Central Asia. Mamatkulov, U.K., (1981, p.11-14, rus.) 39-57
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- Biogeocoenotic (consortive) relations of mosses in tundra and taiga ecosystems. Tishkov, A.A., (1981, p.54-55, rus.) 39-67
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- High altitude musci of the Khangay Range. Tsegmed, Ts., (1981, p.58-61, rus.) 39-69
- Taxonomic structure of mossy plants in the Murmansk region. Shliakov, R.N., et al. (1981, p.64-67, rus.) 39-70
- Problems in studying lichen synusia of the Arctic. Trass, Kh.Kh., (1981, p.70-72, rus.) 39-72
- Lichens of the western Sayan. Kravchuk, S.V., (1981, p.90-92, rus.) 39-74
- Degradation of lichens and mosses in air-pollution areas. Krut'kov, V.V., (1981, p.92-94, rus.) 39-75
- Lichen flora of the Caucasus. Novruzov, V.S., (1981, p.102-104, rus.) 39-77
- Lichens of the Yamal Peninsula. Randlane, T., (1981, p.107-109, rus.) 39-78
- Role of lichens in rubly tundra of the Sangelen highlands (Tuva). Sedelnikova, N.V., (1981, p.110-112, rus.) 39-80
- Botanical-geographic characteristics of steppe vegetation in interior Alaska. Iurisev, B.A., (1984, p.743-752, rus.) 39-114
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- Spatial distribution of phytomass in different types of Alpine tundra in the northern Ural Mountains. Bulatova, J.K., (1984, p.5-6, rus.) 39-504
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- Microthermal observations in Arctic vegetation. Hansen, K., (1973, 32p., eng.) 39-952
- Vegetation of the Far East. Nechaev, A.P., ed. (1976, 136p., rus.) 39-1071
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- Terrestrial plant biology of the sub-Antarctic and Antarctic. Smith, R.J.L., (1984, p.61-162, eng.) 39-1183
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- Studies of northern taiga forests at the Onega research station. Rysin, L.P., (1984, p.10-24, rus.) 39-1413
- Studying taiga vegetation in the Severnaya research station. Orlov, A.I.A., (1984, p.36-57, rus.) 39-1414
- All-Union Seminar on environmental impact of industry, Zvenigorod, Dec. 4-8, 1984. Summaries of reports. Krivolutskiy, D.A., ed. (1984, 240p., rus.) 39-1425
- Pollution of moss cover in northern taiga by industrial wastes. Andreeva, E.N., (1984, p.8-9, rus.) 39-1426
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- Limitations to predictability of plant succession in northern ecosystems. Wein, R.W., et al. (1983, p.214-225, eng.) 39-1522
- Continental taiga of eastern Alaska. Report No.1. Iurisev, B.A., (1984, p.117-127, rus.) 39-1546
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- Radiocarbon dating of paleopodzolic soil.** Haugabreen, Norway. Ellis, S., et al, [1984, p.77-91, eng] 39-607
- Peculiarities of *Lipomyces* distribution in the mountain-taiga soils of Tuva.** Abramenko, N.I., [1983, p.69-73, rus] 39-959
- Soil formation in southern taiga.** Dvornikova, L.L., [1984, p.73-79, rus] 39-1304
- Soils and geological conditions of the Nechernozem'e.** Sergeev, E.M., ed, [1984, 608p., rus] 39-1424
- Infiltration parameters in the Gerkhodzhanu mudflow basin (northern Caucasus).** Moskalov, E.L., et al, [1984, p.77-84, rus] 39-1708
- Geochemistry of soils and environmental protection.** Saprykin, F.A., [1984, 231p., rus] 39-2485
- Phytocoenoses of northern bogs.** Kustova, N.V., [1984, p.76-106, rus] 39-2578
- Engineering and geological characteristics of clay soils in Nechernozem'e.** Osipov, I.U.B., et al, [1985, p.79-89, rus] 39-2881
- Aley River basin: landscape mapping for practical purposes.** Bulatov, V.I., et al, [1984, p.3-33, rus] 39-3079
- Compilation of maps of water erosion of relief-forming rocks for analyzing and forecasting gully erosion in non-chernozem areas.** Liubimov, B.P., [1985, p.62-70, rus] 39-3105
- Forest-growing properties of soils on the Yenisey Range.** Gorbachev, V.N., et al, [1985, p.3-9, rus] 39-3294
- Poland**
- Tatra Mountains**
- Eolian processes in alpine belts of the High Tatra Mountains, Poland.** Izmailov, B., [1984, p.143-151, eng] 39-501
- Polar regions**
- Problems of polar oceanology.** Treshnikov, A.F., et al, [1984, p.38-53, rus] 39-1133
- Antarktis II/4 Expedition, 1983/84.** Kohnen, H., ed, [1984, p.1-185, ger] 39-1599
- Ice conditions in the Yenisey River estuary.** Adamovich, N.M., [1984, p.121-128, rus] 39-2022
- Marine biology and stress effects in polar regions.** Gray, J.S., ed, [1983, 639p., eng] 39-3153
- Atmospheric pollution registered in ice cores and snow.** Alderton, D.H.M., et al, [1985, p.97-153, eng] 39-3905
- See also: Arctic landscapes**
- Polarization (waves)**
- Polarization of skylight.** Bohren, C., [1984, p.261-265, eng] 39-563
- Rain and ice depolarization measurements at 4 GHz in Sitka, Alaska.** Struharik, S.J., [1983, p.403-435, eng] 39-732
- Calculation of ice depolarization on satellite radio paths.** Tsolakis, A., et al, [1983, p.1287-1293, eng] 39-1223
- Depolarizing effects of rain and ice on satellite links.** Runyon, D.L., Jr., et al, [1983, 299p., eng] 39-1715
- Effect of frequency and polarization on marine radar detection of ice targets in an ice cover.** Lewis, E.O., et al, [1984, p.375-384, eng] 39-1818
- Pollen**
- Pollination in tundra plants.** Tikhmenev, E.A., [1984, p.8-15, rus] 39-119
- Pollen analysis of the 1973 ice core from Devon Island glacier, Canada.** McAndrews, J.H., [1984, p.68-76, eng] 39-2062
- See also: Palynology**
- Pollution**
- Hydrocarbons in snow, ice, and water in the northern part of the Kara Sea.** Dmitriev, F.A., et al, [1983, p.67-71, eng] 39-585
- Environmental protection around nuclear facilities.** Shirayev, F.Z., et al, [1982, 201p., rus] 39-1389
- Geochemical monitoring of environmental pollution.** Kachur, A.N., et al, [1984, p.93-94, rus] 39-1430
- Potential CO₂-induced changes in West Antarctica.** [1984, 236p., eng] 39-1498
- Trace elements in urban snow.** Landsberger, S., [1982, n.p., eng] 39-2008
- Environmental pollution of chlorinated hydrocarbons in the Antarctic.** Hidaka, H., [1984, p.9-14, jpn] 39-2274
- Record of global pollution in polar snow and ice.** Wolff, E.W., et al, [1985, p.535-540, eng] 39-2927
- See also: Air pollution; Impurities; Oil spills; Soil pollution; Water pollution**
- Polygonal topography**
- Problems in studying lichen synusia of the Arctic.** Kh.Kh., [1981, p.70-72, rus] 39-72

Polygonal topography (cont.)

- Cryogenic relief of western Siberia. Shpolianskaia, N.A., (1984, p.17-23, rus) 39-580
- Thermal settlement in the Central Yakutia plain. Bazylev, V.A., (1984, p.149-150, rus) 39-921
- Study of climate change in the permafrost regions of China: a review. Cheng, G., (1984, p.139-144, eng) 39-2145
- Medium-scale landscape map of the Yamal Peninsula. Kozin, V.V., et al, (1984, p.34-40, rus) 39-3080
- Polygon-veins along the Qinghai-Xizang highway. Liang, F., et al, (1984, p.49-60, chi) 39-3320
- Two-dimensional mathematical model of frost fracturing. Gevorkian, S.G., (1985, p.55-64, rus) 39-3912
- Polygons in the seasonally freezing area of Rio Gallegos, S. Patagonia. Bustos, R., et al, (1984, p.39-46, spa) 39-3942

See also: Patterned ground

Polymers

- Polymers in space research. (1970, 457p. (Pertinent p.181-357), eng) 39-140
- Frost resistance of polymer-treated concretes. Kapkin, M.M., et al, (1984, p.11-12, rus) 39-355
- Nonmetallic materials at low temperature. Hartwig, G., ed, (1982, 399p., eng) 39-529
- Materials and design of technical equipment for the North. Urzhumtsev, I.U.S., ed, (1984, 85p., rus) 39-1112
- Adfreezing of plastic plate supports to snow. Igoshin, V.A., et al, (1984, p.54-58, rus) 39-1114
- High-voltage plastic insulators for power lines of the North. Dordin, I.U.R., et al, (1984, p.64-71, rus) 39-1116
- Effect of polymers on freeze-thaw resistance of concretes. Chandra, S., et al, (1982, p.111-115, eng) 39-1247

Polynyas

- Weddell polynya as a consequence of hydrophysical processes in the Weddell circulation. Bagriantsev, N.V., et al, (1984, p.1238-1242, rus) 39-375
- Sea ice state during the Weddell Sea Expedition. Ackley, S.F., et al, (1983, 6p. + 59p., eng) 39-380
- Drilling and blasting operation from ice. Tavrizov, V.M., (1984, p.597-604, rus) 39-591
- Variability of the state of disintegration of ice. Gorbunov, I.U.A., et al, (1984, p.92-98, eng) 39-692
- Voyages of discovery and research in the southern and antarctic regions during the years 1964-1981. Gordon, A., et al, (1981, p.25-29, eng) 39-1573
- Radiothermal emission of melting ice. Kondrat'ev, K.I.A., et al, (1985, p.839-842, rus) 39-2730
- Atmospheric circulation and formation of Weddell polynya. Lysakov, E.P., (1985, p.5-11, rus) 39-2891
- Long term forecasting of the state of Chukchi polynyas in spring. Arikainen, A.I., (1984, p.51-56, eng) 39-3650
- Decay of sea ice in the North Water polynya. Ito, H., (1985, p.8102-8110, eng) 39-4008

Ponds

- Nitrogen removal in wastewater ponds. Reed, S.C., (1984, 26p., eng) 39-386
- Thermal eutrophy of northern ponds. Kuksn, M.S., (1984, p.19-31, rus) 39-821
- Ecology of tundra ponds of the Arctic Coastal Plain. Hobbie, J.E., (1984, 52p., eng) 39-1895

Porosity

- Distribution and migration of hydrocarbon gases in permafrost regions. Starobinets, I.S., et al, (1984, p.703-707, rus) 39-150
- High Arctic soils through the microscope: prospect and retrospect. Bunting, B.T., (1983, p.609-616, eng) 39-868
- Frost resistance of polymers. Starzhetskaia, T.A., et al, (1984, p.49-54, rus) 39-1113
- Quantitative estimation of loess sagging. Minkov, M., (1984, p.58-65, rus) 39-1438

Porous materials

- Comparison of Stefan model with two-phase model of coal drying. Lyczkowski, R.W., et al, (1984, p.1157-1169, eng) 39-90
- Heat losses from underground pipelines. Bau, H.H., (1984, p.2047-2056, eng) 39-1744
- Role of heat and water transport in frost heaving of porous soils. Nakano, Y., et al, (1984, p.93-102, eng) 39-1936
- Horizontal infiltration of water in porous materials. Nakano, Y., (1982, p.156-166, eng) 39-1937
- Predicting frost penetration in saturated porous materials. Olsen, M.P.J., (1982, 154p., eng) 39-2060
- Interaction of self heated thermistor probe with a freezing front moving through moist porous media. Pynchak, A.C., (1985, p.16-21, eng) 39-2390
- Diffusivity of horizontal water flow through porous media. Nakano, Y., (1985, p.26-31, eng) 39-3379
- Heat and mass transfer in porous media. Refstrup, J., et al, (1983, p.173-183, eng) 39-3967
- Computation of porous media natural convection flow and phase change. O'Neill, K., et al, (1984, p.213-229, eng) 39-3981

- Development of mobile field units by British Antarctic Survey. Chinn, E.J., (1983, p.557-572, eng) 39-2630

Portable shelters

- Snowcraft/survival school: learning to work in Antarctica. Lasorsa, D.P., et al, (1984, p.5-9, eng) 39-378
- Portable shelter for use in collecting sea bottom sediments. Clark, N., (1983, p.208-209, eng) 39-2615

Ports

- The Osetrovsk River port in the North. Tolmachev, R.A., (1984, p.28-30, rus) 39-1171
- Arctic news record, Summer 1984, Vol.3 No.2. (1984, 62p., eng) 39-1203
- Ice management for Beaufort Sea production harbours. Andersen, P.F., et al, (1984, p.303-314, eng) 39-1778
- Methods of ice control for winter navigation in inland waters. Frankenstein, G.E., et al, (1984, p.329-337, eng) 39-1780
- Main transportation route in the Soviet Arctic. Arikainen, A.I., (1984, 192p., rus) 39-2036
- Great Lakes harbor and its design for ice conditions. Wortley, C.A., (1984, 227p., eng) 39-3034
- River port construction in northern regions. Baklanov, A.S., et al, (1985, p.21-22, rus) 39-3119
- Construction of ports. Goncharov, V.V., (1985, p.23-24, rus) 39-3120
- Ice forces on port structures resulting from moving ships. Abdelnour, R., et al, (1985, p.1215-1223, eng) 39-3254
- Ice protection equipment for port and ship repair yards. Ivanov, L.V., et al, (1984, p.89-97, eng) 39-3473
- Bearing strength of structures built in frozen ground. Savko, B., (1985, p.38-39, rus) 39-3535

Power generation

See: Electric power; Nuclear power; Wind power generation

Power line icing

- Modelling of ice accretion on wires. Makkonen, L., (1984, p.929-939, eng) 39-284
- Melting of ice on 500 kV overhead power lines. Gorbunov, A.M., et al, (1984, p.44-45, rus) 39-353
- Melting of ice on power lines. Sinef'nikov, V.I.A., et al, (1984, p.53-55, rus) 39-423
- Improving power line strength under ice and wind loads. Usmanov, E.Kh., (1984, p.69-71, rus) 39-1307
- Reliability of overhead power lines and the calculation of standardized climatic loads. Golikov, B.F., (1984, p.52-55, rus) 39-1552
- Protection of rectifier valves in ice melting devices. Seredin, M.M., et al, (1984, p.67-69, rus) 39-1553
- Protecting electric power sub-stations from snowdrifts. Malevannaia, N.G., et al, (1984, p.42-44, rus) 39-2103
- Technical requirements for installations and power lines when melting ice accretions. D'akov, A.F., et al, (1984, p.62-66, rus) 39-2104
- Flashover tests of artificially iced insulators. Charneski, M.D., et al, (1982, p.2429-2433, eng) 39-2237
- Present state-of-the-art of transmission line icing. Pohlman, J.C., et al, (1982, p.2443-2450, eng) 39-2238
- Hydrometeorological studies. Chistiaeva, S.P., ed, (1984, 152, rus) 39-2249
- Formulas for calculating first and last icings in the season. Guliaev, I.U.N., (1984, p.33-38, rus) 39-2250
- Distribution of icing load over the USSR. Zakharov, A.G., (1984, p.87-93, rus) 39-2376
- Snow accretion on power lines. Bauer, D., (1973, p.88-96, eng) 39-2497
- Ice accretion on cylinders and wires. Makkonen, L.J., et al, (1984, 43p., eng) 39-3054
- Automatic design of ice melting. Shnell, R.V., et al, (1985, p.34-39, rus) 39-3542
- Parameters and schemes for substituting overhead power lines in ice-melting circuits of the wire-wire type. Zhezhelenko, I.V., et al, (1985, p.3-8, rus) 39-3543
- Power engineering of the Yakut ASSR. Chudinov, G.M., (1977, p.3-13, rus) 39-3987
- Power line supports**
- Power supply to the eastern section of the BAM. Buza, I.K., et al, (1984, p.16-17, rus) 39-1166
- Foundations for power line supports. Solodovnik, V.I.A., et al, (1984, p.22-25, rus) 39-1340
- Using anchor foundations for crossings on the Zeya reservoir for the 220 kV overhead lines of the Tynda-Prizyetskaya power line. Petrov, N.K., et al, (1984, p.25-26, rus) 39-1341
- Ob' River crossing of 500 kV overhead power lines. Zlobin, A.A., et al, (1984, p.65-67, rus) 39-1597
- Construction of the Ingurskaya-Stavropol'skaya 500 kV overhead power line. Giginel'shvi, A.L., (1985, p.17-19, rus) 39-1994
- Construction of foundations for metal power line supports. Osipov, I.S., et al, (1985, p.27-28, rus) 39-1996
- Protecting electric power sub-stations from snowdrifts. Malevannaia, N.G., et al, (1984, p.42-44, rus) 39-2103
- Technical requirements for installations and power lines when melting ice accretions. D'akov, A.F., et al,

- Fastening overhead line supports with screw anchors.

- Kurnosov, A.I., et al, (1985, p.41-44, rus) 39-2846
- Construction of overhead power lines on surface foundations on permafrost. Pylaev, E.L., et al, (1985, p.64-65, rus) 39-3403
- Power engineering of the Yakut ASSR. Chudinov, G.M., (1977, p.3-13, rus) 39-3987

Power lines

- Materials and design of technical equipment for the North. Urzhumtsev, I.U.S., ed, (1984, 85p., rus) 39-1112
- High-voltage plastic insulators for power lines of the North. Dordin, I.U.R., et al, (1984, p.64-71, rus) 39-1116
- Ob' River crossing of 500 kV overhead power lines. Zlobin, A.A., et al, (1984, p.65-67, rus) 39-1597
- Organization and technology of power line construction under high mountain conditions. Pogrebkov, K.A., (1985, p.15-17, rus) 39-1993
- Helicopters used in high-altitude construction of power lines. Zagnitko, V.N., et al, (1985, p.19-23, rus) 39-1995
- Effects of ice loads, temperature and wind on cables. Oestreich, U.H.P., (1982, p.95-106, eng) 39-2234
- Rules for the development of united regional appraisals for structures and construction work. (1985, 156p., rus) 39-2516

- Construction of overhead power lines on surface foundations on permafrost. Pylaev, E.L., et al, (1985, p.64-65, rus) 39-3403

See also: Transmission lines

Power supply

See: Electric power

Precipitation gauges

- Wind correction factors for snow precipitation gauges. Carlsson, B., et al, (1984, p.135-130, eng) 39-1279
- Radar measurements of atmospheric precipitation in Antarctica. Pleshcheev, I.U.G., et al, (1984, p.64-67, rus) 39-2848

Precipitation (meteorology)

- Reconstructing Pleistocene climatic change from the oxygen isotope composition of sediments: a review. Covey, C., (1984, p.43-46, eng) 39-170
- Statistical-dynamical model of accumulation on the Greenland ice sheet. Keen, R.A., (1984, p.69-74, eng) 39-175
- Analysis on the relationship between streamflow and precipitation in Altay mountainous region. Zhou, B., (1983, p.49-56, chi) 39-266
- Particle concentrations at the South Pole, on meteorological and climatological time scale. Hogan, A., et al, (1984, p.850-853, eng) 39-282
- Forecasting natural climatic changes in the El'brus Mountain area. Surova, N.A., (1984, p.98-110, rus) 39-299
- Estimation of winter precipitation in mountains. Takami, H., (1984, p.45-50, jpn) 39-494
- Water supply review and snow survey summary. 1981-82 (Alta). (1982, 25p. + appends, eng) 39-1003
- Hydrological measuring and data transmission in Greenland. Thomsen, T., (1984, p.151-169, eng) 39-1282
- Principles of interception process model during a winter season. Gutry-Korycka, M., (1984, p.41-43, eng) 39-1291
- Characteristics of the distribution of total annual precipitation by drainage areas of the Arctic and their variations. Briazgin, N.N., (1979, p.30-39, eng) 39-1367
- AGCM simulations of the modern antarctic climate. Schlesinger, M.E., (1984, p.155-196, eng) 39-1507
- Acid precipitation in southeastern Wyoming. Ahern, J., et al, (1983, 105p., eng) 39-1513
- Extractable organic compounds in Midwest rain and snow. Meyers, P.A., et al, (1983, p.2169-2175, eng) 39-1659
- Pollution of seasonal ice layer in glaciers. Zalikhano, M.Ch., et al, (1984, p.134-144, rus) 39-171
- Transpiration and water stress in western coniferous forests. Running, S.W., (1984, 52p., eng) 39-1713
- Hydrometeorological studies. Chistiaeva, S.P., ed, (1984, 152, rus) 39-2249
- Comparing the characteristics of stable snow and solid atmospheric precipitation. Loktionova, E.M., et al, (1984, p.74-81, rus) 39-2375
- Analyzing temperature maps of Alpine warm periods. Voloshina, A.P., (1984, p.80-92, rus) 39-2771
- Radar meteorology. Stepanenko, V.D., ed, (1984, 211p., rus) 39-2847
- Determination of phase-composition of precipitation. Vasil'eva, I.P., (1984, p.177-180, rus) 39-2849
- Quaternary paleoclimatology. Methods of paleoclimatic reconstruction. Bradley, R.S., (1985, 472p., eng) 39-2885
- Use of snow airfields in Antarctica for determination of accumulation rate and atmospheric precipitation. Durgurov, M.B., et al, (1985, p.87-93, rus) 39-2896
- Relationship between precipitation and surface meteorology. Matsuo, T., et al, (1981, p.462-476, eng) 39-2994
- Precipitation in Switzerland. Sevruck, B., ed, (1985,

- Peculiarities of snow precipitation. Föhn, P.M.B., (1985, p.87-96, ger) 39-2997
- Hail precipitation: detection and measurement. Waldvogel, A., (1985, p.107-126, ger) 39-2999
- Dependence of precipitation on altitude. Lang, H., (1985, p.149-158, ger) 39-3001
- Summer precipitation onto the South Pole plateau. Inoue, M., et al., (1984, p.70-86, eng) 39-3449
- Observation of precipitating clouds by radar. Fujiyoshi, Y., et al., (1984, p.113-123, jpn) 39-4040
- Building materials and acid precipitation. Merry, C.J., et al., (1985, 40p., eng) 39-4054
- See also: Rain; Snowfall
- Prefabrication**
- Industrial output of modular buildings for Siberia and the Far North (organization and structural design). Orlov, V.A., et al., (1984, 56p., rus) 39-54
- Cylindrical cinder blocks for building on permafrost. Zrelakov, V.A., et al., (1984, p.16-17, rus) 39-122
- Reinforced concrete panels for building construction in cold areas. Pavlovskaya, G., (1984, p.6-7, rus) 39-432
- Wall panels for buildings in continental climates. Tsimpler, V.G., et al., (1984, p.24-25, rus) 39-793
- Building failure during thawing of grouted panel joints. Shapiro, G.A., et al., (1984, p.20-22, rus) 39-830
- Construction of large panel buildings in freezing weather. Shishkin, A.A., (1984, p.18-19, rus) 39-831
- Construction of large panel buildings. Rozanov, N.P., (1982, 224p., rus) 39-870
- Standard sectional buildings for the North. Dukarskii, I.U.M., et al., (1984, p.22-26, rus) 39-893
- Towns and villages along the BAM. Sukhanov, N.V., (1984, p.32-35, rus) 39-1172
- Experimental modular transformer sub-stations. Nartissov, O.A., et al., (1984, p.23-24, rus) 39-1256
- Frost resistance of reinforced concrete pavement plates. Evlanov, S.F., et al., (1984, p.22-23, rus) 39-1308
- API recommended practice for planning, designing, and constructing fixed offshore platforms. (1984, 115p., eng) 39-1384
- Shortage of living accommodations in Yamburg. Nabokov, V.V., (1985, p.10, rus) 39-2028
- Chemical admixtures for concretes. Gladkov, V.S., (1985, p.18-19, rus) 39-2077
- Frost resistant reinforced concrete for bridges. Borisov, V.V., et al., (1985, p.24-25, rus) 39-2079
- Australian antarctic building system data sheets. (1984, var. p., eng) 39-2233
- High frost resistance concretes for power line supports. Shurygin, V.P., et al., (1985, p.34-35, rus) 39-2866
- Large panel residential buildings for Siberian conditions. Khabibulin, K.I., et al., (1985, p.27-29, rus) 39-3123
- Industrialized construction of petroleum industry objects. Andrienko, V.G., et al., (1985, 342p., rus) 39-3313
- Improving the range of block sections for residential houses in the Far North. Tankanian, V.G., (1984, p.3-5, rus) 39-3738
- Winter construction of large panel buildings. Barkov, I.U.V., et al., (1984, p.5-7, rus) 39-3739
- Large bridges of Siberia. Bypov, I.G., (1984, p.59-60, rus) 39-3879
- Pressure**
- Melting ice I at 77K and 10 kbar. Mishima, O., et al., (1984, p.393-395, eng) 39-550
- Studies on the densification of snow as a pressure sintering process (I). Ebinuma, T., et al., (1984, p.153-161, jpn) 39-2472
- Small scale tests of sea bottom ice scouring. Abdelnour, R., et al., (1984, p.267-279, eng) 39-3487
- See also: Atmospheric pressure; Ice pressure; Soil pressure; Vapor pressure; Water pressure; Wind pressure
- Pressure ridges**
- Mechanical properties of multi-year sea ice. Phase I: Test results. Cox, G.F.N., et al., (1984, 105p., eng) 39-98
- Deformation in the vicinity of ice divides. Raymond, C.F., (1983, p.357-373, eng) 39-198
- Method of detecting voids in rubble ice. Tucker, W.B., et al., (1984, p.183-188, eng) 39-343
- Storm surge climatology and forecasting in Alaska. Wise, J.L., et al., (1981, 26p. + appendix, eng) 39-536
- Sea ice mechanics: a general overview. Croasdale, K., (1984, p.8-16, eng) 39-572
- Some problems of the dynamics of ice cover. Nikiforov, E.G., et al., (1984, p.1-16, eng) 39-682
- Block structure of the ice cover. Borodachev, V.E., (1984, p.24-26, eng) 39-684
- Pressure ridges in Arctic pack ice. Gavrilov, V.P., et al., (1984, p.71-78, eng) 39-690
- Frictional characteristics of sea ice. Gavrilov, V.P., (1984, p.111-117, eng) 39-694
- Pressure ridge formation in ice cover of the Caspian Sea. Bukharin, P.I., (1984, p.115-123, rus) 39-1174
- Bering Strait sea ice and the Fairway Rock icefoot. Kovacs, A., et al., (1982, 40p., eng) 39-1273
- Creep of simulated pressure ridge granular ice. Nadreau, J.P., et al., (1984, p.49-61, eng) 39-1755
- Ice scour and ice ridging studies in Lake Erie. Grass, J.D., (1984, p.33-43, eng) 39-1790
- Analysis and model tests of pressure ridges failing against conical structures. Wang, Y.S., (1984, p.67-76, eng) 39-1793
- Geological evidence for 60 meter deep pressure-ridge keels in the Arctic Ocean. Reimnitz, E., et al., (1984, p.189-206, eng) 39-1803
- Instrumented auger for vertical survey of ice "hardness". Harmon, D.J., et al., (1984, p.385-392, eng) 39-1819
- Sonat Hybrid Arctic Drilling Structure—SHADS. (1984, 13p., eng) 39-1861
- Structure of first-year pressure ridge sails in the Prudhoe Bay region. Tucker, W.B., et al., (1984, p.115-135, eng) 39-1873
- Ice gouging characteristics and processes. Barnes, P.W., et al., (1984, p.185-212, eng) 39-1876
- Some probabilistic aspects of ice gouging on the Alaskan Shelf of the Beaufort Sea. Weeks, W.F., et al., (1984, p.213-236, eng) 39-1877
- Strength and modulus of ice from pressure ridges. Cox, G.F.N., et al., (1985, p.93-98, eng) 39-2082
- Structure and the compressive strength of ice from pressure ridges. Richter-Menge, J.A., et al., (1985, p.99-102, eng) 39-2083
- Tensile strength of multi-year pressure ridge sea ice samples. Cox, G.F.N., et al., (1985, p.186-193, eng) 39-2412
- Structure, salinity and density of multi-year sea ice pressure ridges. Richter-Menge, J.A., et al., (1985, p.194-198, eng) 39-2413
- Compressive strength of pressure ridge ice samples. Richter-Menge, J.A., et al., (1985, p.465-475, eng) 39-3196
- Arctic Ocean background noise caused by ridging of sea ice. Pritchard, R.S., (1984, p.419-427, eng) 39-3266
- Pressure ridge strength in the Beaufort Sea. Weeks, W.F., (1985, p.167-172, eng) 39-3284
- Ice pressure against a structure in level ice and pressure ridges. Hoikkanen, J., (1984, p.151-160, eng) 39-3478
- Methods for determining ice forces due to first- and multi-year ridges. Krankkala, T., et al., (1984, p.263-287, eng) 39-3501
- Rheological model of hummocking of ice cover. Kolesov, S.A., (1984, p.47-55, eng) 39-3662
- Some morphological peculiarities of the lower and upper surfaces of fast ice. Chilingarov, A.N., et al., (1984, p.56-61, eng) 39-3663
- Determination of loads on an icebreaker fender device. Makeyev, A.N., et al., (1985, p.20-21, rus) 39-3746
- Correlation between an ice ridge and sea bed geologic boundary. Barnes, P.W., et al., (1985, p.169-184, eng) 39-3763
- Shore-zone ice scour statistics: Implications to coastal development. Harper, J.R., (1985, p.223-230, eng) 39-3766
- Prevention**
- See: Countermeasures
- Primary productivity**
- See: Biomass
- Profiles**
- Marine geology and bottom profiling of the Weddell Sea. Haase, G., (1984, p.129-136, eng) 39-1609
- Laboratory and field evaluation of an ultrasonic distance meter for measurement of snow surface profiles. Pinchak, A.C., et al., (1985, p.70-74, eng) 39-2398
- Tabular icebergs off Nordostrundingen, North East Greenland. Massom, R., (1984, p.11-16, eng) 39-2834
- Iceberg draft measurements off eastern Canada. Ruffman, A., (1983, p.20-21, eng) 39-2837
- Physical dimensions of icebergs in the Labrador Sea. Miller, J.D., et al., (1985, p.103-113, eng) 39-3758
- Relationships between measured iceberg dimensions. Hotzel, I.S., et al., (1985, p.114-129, eng) 39-3759
- See also: Soil profiles; Stratigraphy
- Projectile penetration**
- Deceleration of projectiles in snow. Albert, D.G., et al., (1982, 29p., eng) 39-1271
- Soviet ability to fire through ice creates new SLBM basing mode. Covault, C., (1984, p.16-17, eng) 39-1581
- Shock-wave studies of ice under uniaxial strain conditions. Larson, D.B., (1984, p.235-240, eng) 39-1681
- Projects**
- See: Research projects
- Propagation**
- See: Wave propagation
- Propellers**
- Ice loads of propulsion machinery. Jussila, M., (1984, p.201-212, eng) 39-1102
- Measurements of ice loads. Vuorio, J., (1984, p.213-229, eng) 39-1103
- Up-dating of the Finnish-Swedish ice class rules. Edelmann, G., (1984, p.231-245, eng) 39-1104
- Ice-milling load encountered by a controllable pitch propeller. Sasajima, T., et al., (1984, p.297-307, eng) 39-1812
- Forty years of helicopter ice protection experience at Sikorsky aircraft. Rosen, K.M., et al., (1981, p.5-19, eng) 39-1969
- Control of bearing friction in propellers of icebreakers. Dufrene, K.F., et al., (1982, p.762-766, eng) 39-2219
- Determination of propeller-ice milling loads. Kotras, T., et al., (1985, p.336-343, eng) 39-2433
- Ice-milling load on propellers. Sasajima, T., et al., (1984, p.281-295, eng) 39-3488
- Design of two icebreaker propellers. Sasajima, T., et al., (1985, p.8-25, jpn) 39-3602
- Prospecting**
- See: Electromagnetic prospecting; Exploration; Gravimetric prospecting; Seismic prospecting; Surveys
- Protection**
- Protection from avalanche damage in Japan. Kurashima, O., (1984, p.129-138, jpn) 39-776
- See also: Countermeasures; Environmental protection; Frost protection; Slope protection; Soil stabilization
- Protective coatings**
- Aerosol icing problems. Hanamoto, B., (1983, 29p., eng) 39-874
- Low friction hull coatings for ships. Tuukkanen, K., et al., (1983, p.72-80, eng) 39-1316
- Potential icing of the space shuttle external tank. Ferrick, M.G., et al., (1982, 305p., eng) 39-1712
- Low friction and adfreeze coatings. Alliston, G.R., (1985, p.689-697, eng) 39-3216
- See also: Surfactants
- Protective vegetation**
- Protective structures in terrain stabilization. Schiechl, H.M., (1973, 244p., ger) 39-661
- Living snowfence. Koehlmoo, L.A., (1983, p.23-24, eng) 39-768
- Stability of forest-strip protection in Siberia and Kazakhstan. Popova, O.S., et al., (1984, 130p., rus) 39-2221
- See also: Forest strips
- Proton transport**
- Solitons and proton motion in ice-like structures. Antonchenko, V.I.A., et al., (1983, p.631-640, eng) 39-488
- Proton transfer in irradiated ice at 90K. Devlin, J.P., et al., (1984, p.3250-3255, eng) 39-820
- Monte Carlo calculations for ice-rules model. Adams, D.J., (1984, p.4063-4070, eng) 39-1743
- Protons**
- On the proton field gradient of ice Ih. Davidson, E.R., et al., (1984, p.7-10, eng) 39-1398
- Proposed antiferroelectric structure for proton ordered ice Ih. Davidson, E.R., et al., (1984, p.3741-3742, eng) 39-1579
- Structure of ice Ih. Yoon, B.J., et al., (1985, p.1223-1231, eng) 39-3827
- Pumps**
- Hydraulic conveying of snow. 2. Snow feeder to pipelines. Umemura, T., et al., (1984, p.51-58, jpn) 39-495
- Modern equipment and technology at the construction sites of gas-pumping objects in western Siberia. Zinov'ev, L.A., et al., (1984, p.10-12, rus) 39-1030
- Lowering ground water levels in northern swamps. Smorodinov, M.I., (1984, 117p., rus) 39-2068
- Mawson bulk fuel system. (1982, var. p., eng) 39-2232
- Quarries**
- Operation and maintenance of open-pit excavators under conditions of the North. Makhno, D.E., (1984, 133p., rus) 39-645
- Effect of soil and vegetation removal on soil temperature regime in quarries. Vasil'ev, I.M., et al., (1980, p.20-24, rus) 39-751
- Regularities governing thermal stabilization of ground. Shapar', A.G., et al., (1984, p.38-42, rus) 39-1564
- Improving the stability of quarry slopes in the north. Shurgin, B.V., et al., (1983, p.61-71, rus) 39-1893
- Mass-blasting technique in freezing weather. Makhov, A.P., et al., (1984, p.27-28, rus) 39-2751
- Automation in organizing railroad construction. Pershin, S.P., ed., (1983, 116p., rus) 39-2823
- Environmental impact of quarry excavation for northern construction. Lukashuk, L.V., et al., (1983, p.28-33, rus) 39-2826
- Environmental guidelines: pits and quarries. (1982, 69p., eng) 39-2900
- Quaternary deposits**
- Quaternary period in Manchuria. Shikama, T., (1967, p.298-336, eng) 39-141
- Open questions in paleogeocryology. Vasil'chuk, I.U.K., et al., (1984, p.64-78, rus) 39-440
- Engineering geology. Section S.17. Proceedings, Vol.17. (1984, 144p., rus) 39-1437
- Permafrost formation and distribution in Quaternary. Baulin, V.V., et al., (1984, p.122-129, rus) 39-1439
- Study of Quaternary glaciation in Mt. Tomur-Hantengri area, Tian Shan. Shi, Y., et al., (1984, p.1-14, chi) 39-1535
- Questions about glacial traces in the Tanzheshi area in Beijing. Li, H., et al., (1984, p.77-82, chi) 39-1543
- View on Quaternary glaciation in Lushan from the results of some modern glacial researches. Su, Z., (1984, p.83-88, chi) 39-1544
- Using isotropic magnetic susceptibility to delineate glacial till. Chernicoff, S.E., (1984, p.113-118, eng) 39-2065

Quaternary deposits (cont.)

- Quaternary glacial history of the Hunza Valley, Karakoram Mountains, Pakistan. Derbyshire, E., et al. (1984, p.456-495, eng) 39-2321
- Quaternary geology of southwestern Saskatchewan. Klassen, R.W., et al. (1985, p.187-228, eng) 39-2329
- Soil development of Quaternary deposits of various ages in the central Yukon Territory. Tarnocai, C., et al. (1985, p.229-238, eng) 39-2330
- Effects of the Quaternary glaciers on the Matese Mt., Italy. Palmentola, G., et al. (1983, p.117-130, ita) 39-2844
- Reversible and continuous solidification processes in loose Quaternary sediments of North America. Brochu, M. (1985, p.1-4, fre) 39-2990
- Engineering geology of Siberia. Nikolaev, V.A., ed. (1985, 96p., rus) 39-3608
- Composition and structure of permafrost in the Khanta-Mansiysk area. Sukhorukova, S.S. (1985, p.37-43, rus) 39-3616
- Quaternary environments of eastern Canadian Arctic and W. Greenland. Andrews, J.T., et al. (1985, 774p., eng) 39-3931
- Grain-size characteristics of quaternary sediments, Baffin Island region. Andrews, J.T. (1985, p.124-153, eng) 39-3934
- Ocean bottom during the ice age. Matishov, G.G. (1984, 176p., rus) 39-3951
- Guide to Late Pleistocene and Holocene deposits of Turnagain Arm. Bartsch-Winkler, S., et al. (1984, 70p., + 2 maps, eng) 39-4027
- Radar**
- Radar propagation in brackish water with ice cover effect. Klein, K., et al. (1984, 123p., eng) 39-532
- HF propagation over horizontally uniform first year sea ice. Klein, K., et al. (1983, 131p., eng) 39-533
- Radar measurements of atmospheric precipitation in Antarctica. Pleshcheyev, I.U.G., et al. (1984, p.64-67, rus) 39-2848
- Current methods and results of investigations of the physics of ice and the ocean. Bogorodskii, V.V. (1984, p.71-86, eng) 39-3671
- See also: Airborne radar; Side looking radar
- Radar echoes**
- Use of microwave FMCW radar in snow and avalanche research. Gubler, H., et al. (1984, p.109-119, eng) 39-3336
- Optimum form of pulses in radar sounding of sea ice. Finkel'shteyn, M.I. (1971, p.2179-2182, eng) 39-359
- Accuracy of radar echo measurements of ice thickness. IUFit, G.A. (1984, p.20-37, rus) 39-461
- Radar reflections from layers with rough boundaries. IUFit, G.A. (1984, p.37-51, rus) 39-462
- Radar sounding of snow cover on avalanche slopes. Chizhov, A.N. (1984, p.93-96, rus) 39-463
- Scattering of elliptically polarized waves by different cloud particles. Nazirov, Z.N. (1984, p.3-9, rus) 39-545
- Millimeter wave land clutter model. Currie, N.C., et al. (1982, p.385-389, eng) 39-1148
- Investigation of peat bog by radar. Bjelm, L., et al. (1982, 132p., swe) 39-1230
- Radar scattering of hailstones and mixed-phase hydrometeors. Aydin, K., et al. (1984, p.58-66, eng) 39-1249
- Equivalent radar reflectivity factors for snow and ice particles. Smith, P.L. (1984, p.1258-1260, eng) 39-1393
- Ice cover thickness of Lake Ladoga. Chizhov, A.N., et al. (1984, p.36-47, rus) 39-1691
- Borehole geometry on the Greenland and Antarctic ice sheets. Jezek, K.C. (1985, p.242-251, eng) 39-1749
- Application of subsurface radar measurement of ice thickness. Mayer, L., et al. (1984, p.325-338, eng) 39-1814
- Improved marine radar display for navigation in ice-infested waters. Lewis, E.O., et al. (1984, p.363-374, eng) 39-1817
- Effect of frequency and polarization on marine radar detection of ice targets in an ice cover. Lewis, E.O., et al. (1984, p.375-384, eng) 39-1818
- Glaciological activities of the Vavilov Dome research station. Govorukha, L.S. (1984, p.79-82, rus) 39-1833
- Millimeter wavelength radar propagation measurements at SNOW-ONE-B. Knox, J.E., et al. (1983, p.209-214, eng) 39-1957
- Radar investigations above the trans-Alaska pipeline near Fairbanks. Arcone, S.A., et al. (1984, 15p., eng) 39-2098
- Electronic design and performance of an impulse radar ice-depth sounding system used on the Vatnajökull ice-cap, Iceland. Cumming, A.D.G., et al. (1984, p.111-125, eng) 39-2305
- Results of impulse radar ice-depth sounding on the Vatnajökull ice-cap, Iceland. Bishop, J.F., et al. (1984, p.126-134, eng) 39-2306
- SAR imaging of waves in water and ice: evidence for velocity bunching. Lyzenga, D.R., et al. (1985, p.1031-1036, eng) 39-2360
- Active microwave measurements of sea ice in the marginal ice under summer conditions. Onstott, R.G., et al. (1984, p.359-363, eng) 39-2538
- Oblique radio-echo sounding of glacier ice. Epov, A.B. (1984, p.165-174, rus) 39-2784
- Radio-echo logging of wells in glaciers. Macheret, I.U.A., et al. (1984, p.198-203, rus) 39-2791
- Variations in the sea ice edge in the Weddell Sea. Lange, M. (1985, p.26-31, ger) 39-2802
- Radar meteorology. Stepanenko, V.D., ed. (1984, 211p., rus) 39-2847
- Determination of phase-composition of precipitation. Vasil'eva, L.P. (1984, p.177-180, rus) 39-2849
- Snowpack ground truth measurements: 1. Overview. Gimmetstad, G.G., et al. (1984, p.123-137, eng) 39-2956
- Snowpack ground truth measurements: 2. Snow surface characterization. Gimmetstad, G.G., et al. (1984, p.139-151, eng) 39-2957
- Comparison of millimeter-wavelength snowcover reflectivity with snow surface properties. Williams, L.D., et al. (1984, p.193-200, eng) 39-2961
- Backscatter from snow at mm wavelengths. Branscum, J., et al. (1984, p.221-231, eng) 39-2963
- Discrete reflections from thin layers of snow and ice. Jezek, K.C., et al. (1984, p.323-331, eng) 39-2971
- XM-836 (SADARM) winter sensor tests. Grayling, Michigan. Bauerle, D.G. (1984, p.375-377, eng) 39-2975
- Radar backscatter studies at SNOW-TWO. Knox, J.E. (1984, p.379-387, eng) 39-2976
- Hail precipitation: detection and measurement. Waldvogel, A. (1985, p.107-126, ger) 39-2999
- All-Union conference on radar meteorology, 6th, Tallin, Apr. 20-23, 1982. Proceedings. (1984, 357p., rus) 39-3072
- Radar detection of hail formation in clouds. Abshaev, M.T. (1984, p.80-91, rus) 39-3073
- Radar detection of supercooled water droplets in clouds. Koloskov, B.P., et al. (1984, p.91-94, rus) 39-3074
- Radar image of hailstone formation. Abshaev, M.T. (1984, p.109-115, rus) 39-3075
- Radar determination of snowfall rate and accumulation. Boucher, R.J., et al. (1985, p.68-73, eng) 39-3141
- Radar measurement of glacier thickness. Ding, Y., et al. (1984, p.157-160, eng) 39-3369
- Active microwave measurements of Arctic sea ice under summer conditions. Onstott, R.G., et al. (1985, p.5035-5044, eng) 39-3436
- Observation of precipitating clouds by radar. Fujiyoshi, Y., et al. (1984, p.113-123, jpn) 39-4040
- Radar photography**
- Local contrasts in geosystems. Kapitsa, A.P., ed. (1977, 206p., rus) 39-1897
- Photogenic hydrothermal contrasts in landscapes of the Kigana-Bureya lowlands. Kolomyts, E.G., et al. (1977, p.77-121, rus) 39-1900
- All-Union conference on radar meteorology, 6th, Tallin, Apr. 20-23, 1982. Proceedings. (1984, 357p., rus) 39-3072
- Radar image of hailstone formation. Abshaev, M.T. (1984, p.109-115, rus) 39-3075
- Radar tracking**
- Iceberg quantities, shapes, and sizes in western Ross and D'Urville Seas. Keyes, J.R. (1983, p.125-127, eng) 39-306
- Studying sea ice drift by radar. Gorbunov, I.U.A., et al. (1984, p.159-168, eng) 39-700
- Radiation**
- Molecular erosion of ice by keV ion bombardment. Ciavola, G., et al. (1982, p.407-412, eng) 39-1147
- Albedo of a dissipating snow cover. Robinson, D.A., et al. (1984, p.1626-1634, eng) 39-3142
- Gamma-dose exposure measurements in Chilean Antarctica. Stuardo B., E. (1984, p.9-21, spa) 39-3312
- Atmospheric neutrons on snow field at Mizuho Station. Kato, T., et al. (1984, p.147-151, eng) 39-3457
- Polarization and photometry of the antarctic sky. Egan, W.G. (1985, p.1845-1854, eng) 39-3712
- Sensitivity of a thermodynamic sea ice model. Ledley, T.S. (1985, p.2251-2260, eng) 39-3999
- See also: Gamma irradiation; Infrared radiation; Light (visible radiation); Solar radiation; Thermal radiation; Ultraviolet radiation
- Radiation absorption**
- Light regime of different central taiga forests. Kishchenko, I.T. (1984, p.17-21, rus) 39-1568
- Carbon and aerosol light absorption in the Arctic. Heintzenberg, J. (1982, p.2461-2469, eng) 39-1660
- Radiative properties of the Arctic aerosol. Patterson, E.M., et al. (1982, p.2967-2977, eng) 39-1661
- LANDSAT-D investigations in snow hydrology. Dozier, J. (1984, 6p., eng) 39-2089
- Ice fog as an electro-optical obscuring agent. Koh, G. (1985, 11p., eng) 39-3959
- Radiation balance**
- Solar radiation in a boreal forest during snowmelt. Trezona, G., et al. (1984, p.45-51, eng) 39-604
- Experimental studies of heat budget of very thin sea ice. Ishikawa, N., et al. (1984, p.109-119, jpn) 39-774
- Radiation balance of typical terrain units in the low Arctic. Rouse, W.R., et al. (1983, p.538-549, eng) 39-863
- Radiation budget in the Alpine region. Müller, H. (1984, 167p., ger) 39-991
- Radiation balance of cut-out areas in taiga. Kubrak, N.I. (1984, p.108-110, rus) 39-1432
- Environmental impact of lumbering in taiga. Chertovskoi, V.G. (1984, p.217-219, rus) 39-1435
- Energy exchange over antarctic sea ice in the spring. Andreas, E.L., et al. (1985, p.7199-7212, eng) 39-3640
- Radiation measurement**
- See: Radiometry
- Radio communication**
- Modernized radio alarm systems for mudflows. Abramov, A.I., et al. (1984, p.122-126, rus) 39-464
- Upgrading and moving the Chilean weather transmitter station. Carvajal, E.M. (1983, p.30-38, eng) 39-2993
- Antarctic telecommunications: a brief history and the situation today. Thomson, R.B. (1983, p.69-76, eng) 39-2995
- Antarctic telecommunications past, present and future. Thomson, R.B. (1985, p.40-42, eng) 39-3866
- Antarctic field manual. (1985, 80p., eng) 39-4003
- Radio echo soundings**
- Ice mass fluctuations in northern Victoria Land. Mayewski, P.A. (1983, p.112, eng) 39-10
- Ice-shelf densities from a comparison of radio echo and seismic soundings. Doake, C.S.M. (1984, p.47-50, eng) 39-171
- Ice flow leading to the deep core hole at Dye 3, Greenland. Whillans, I.M., et al. (1984, p.185-190, eng) 39-196
- Radio echo-sounding of Spitsbergen glaciers: problems in the interpretation of layer and bottom returns. Dowdeswell, J.A., et al. (1984, p.16-21, eng) 39-237
- Radio echo-sounding studies of englacial water movement in Variegated Glacier, Alaska. Jacobel, R., et al. (1984, p.22-29, eng) 39-238
- Parametric model of hailstorm clouds. Imamdzhano, Kh.A. (1984, p.14-21, rus) 39-546
- Radio echosounding of sub-ice bedrock near the Yamato Mountains. Ohmae, H., et al. (1984, p.95-102, eng) 39-1091
- Ice depth radio echo-sounding techniques employed on the Hsiao and Ghulkin Glaciers. Oswald, G.K.A. (1984, p.86-99, eng) 39-2316
- Impulse radar ice-depth sounding on the Hsiao Glacier. Dong, Z.B. (1984, p.100-110, eng) 39-2317
- Impulse radar ice-depth sounding of the Ghulkin glacier. Francis, M.R., et al. (1984, p.111-123, eng) 39-2318
- Radio echo sounding of inland ice near Disko Bay, Greenland, 1984. Thomsen, H.H., et al. (1985, 20p., eng) 39-2843
- Surging ice caps in Nordaustlandet, Svalbard, 1983. Drewry, D.J., et al. (1985, p.359-378, eng) 39-3275
- Airborne radio echo sounding of sub-polar glaciers in Spitsbergen. Dowdeswell, J.A., et al. (1984, 41p., eng) 39-3388
- Regional difference of attenuation of radio waves within antarctic ice sheet. Ohmae, H., et al. (1984, p.152-159, eng) 39-3458
- Modified radar equation for detecting meteorites buried in ice. Tajima, K., et al. (1984, p.9-17, eng) 39-3528
- Bedrock topography of the Greenland ice sheet in the Dye 3 area. Overgaard, S., et al. (1985, p.49-56, eng) 39-3566
- Experiment on radio-echo sounding of a mountain glacier. Huang, Y., et al. (1980, p.37-39, chj) 39-3699
- Scattering and reciprocal conversion of surface and bulk acoustic waves. Lapin, A.D. (1983, p.123-134, eng) 39-3881
- Radio waves**
- Field dielectric measurements of frozen silt using VHF pulses. Arcone, S.A., et al. (1984, p.29-37, eng) 39-329
- Radio wave attenuation in snowfall. Babkin, I.U.S., et al. (1971, p.2171-2174, eng) 39-337
- Attenuation of visible and infrared radiation in rain and snow. Sokolov, A.V. (1971, p.2175-2178, eng) 39-358
- Pulse transmission through frozen silt. Arcone, S.A. (1984, 9p., eng) 39-803
- Calculation of ice depolarization on satellite radio paths. Tsiolkakis, A., et al. (1983, p.1287-1293, eng) 39-1223
- Dielectric properties of snow. Stiles, W.H., et al. (1982, p.91-103, eng) 39-1718
- See also: Microwaves
- Radioactive age determination**
- Dating of ice cores from Vernagtferner (Austria) with fission products and lead-210. Gunten, H.R. von, et al. (1983, p.37-45, eng) 39-46
- Mean summer temperatures and circulation in a south-west Norwegian mountain area during the Atlantic period, based upon changes of the Alpine pine-forest limit. Selsing, I., et al. (1984, p.127-132, eng) 39-186
- Carbon dating of plants and guano, and glaciological implications. Hebert, D. (1983, p.64-73, ger) 39-788
- Age and history of accumulation of the "ice complex" of the maritime lowlands of Yakutiya. Kaplina, T.N., et al. (1984, p.147-151, eng) 39-1062

- Dated wood from Alaska and Yukon. Hopkins, D.M., et al. [1981, p.217-249, eng] 39-2448
- Radioactive fallout**
See: Fallout
- Radioactive isotopes**
Natural gamma logging of borehole 1 on Vernagtferner (Oetzal Alps, Austria). Drost, W., et al. [1983, p.47-52, eng] 39-47
Accumulation of Strontium-90 and cesium-137 in lichens. Nifontova, M.G., [1981, p.101-102, rus] 39-76
Isotopes in antarctic research. [1984, 132p., eng] 39-126
Tritium in antarctic precipitation—information on global distribution. Hebert, D., [1984, p.7-22, eng] 39-127
Temporal variations in the 10 Be concentration levels found in the Dye 3 ice core, Greenland. Beer, J., et al. [1984, p.16-17, eng] 39-165
Behavior of 238-U, 232-Th and 226-Ra in mountain tundra soils. Shuktomova, I.I., et al. [1983, p.51-56, rus] 39-220
Isotope geochemistry on Vavilov Glacier. Valkmiae, R.A., et al. [1984, p.73-79, eng] 39-726
Extracting uranium from sea water using iceberg drift. Nishiyama, T., [1984, p.184-186, eng] 39-1092
Behavior of Sr-90 and Cs-137 in soils and their accumulation in plants. Aliev, D.A., et al. [1985, p.85-89, rus] 39-3110
- Radioactive wastes**
Environmental protection around nuclear facilities. Shirayev, F.Z., et al. [1982, 201p., rus] 39-1389
All-Union Seminar on environmental impact of industry, Zvenigorod, Dec. 4-8, 1984. Summaries of reports. Krivolutskiy, D.A., ed. [1984, 240p., rus] 39-1425
Snow cover as an indication of radiation effect on biogeocenoses. Golubeva, E.I., et al. [1984, p.41-42, rus] 39-1427
Oscillations in the concentration of artificial radionuclides in the waters of the Baltic and North seas in 1977-1982. Styro, D.B., et al. [1985, p.835-838, eng] 39-3916
Penetration of radioactive industrial waters from the North Sea into central regions of the Baltic. Vakulovskii, S.M., et al. [1985, p.631-633, eng] 39-3917
- Radioactive dating**
See: Radioactive age determination
- Radiometry**
Satellite techniques of studying ocean dynamics. Fedorov, K.N., [1984, p.3-13, rus] 39-157
Synoptic sea ice-atmosphere interactions. Carleton, A.M., [1984, p.7245-7258, eng] 39-260
Snow depth in the mid-western U.S. from SMMR data. Hall, D.K., et al. [1984, p.1-8, eng] 39-815
Microwave images for sea-ice classification. Eppler, D.T., et al. [1984, 54p., eng] 39-1720
All-weather millimeter wave imagery in the marginal ice zone. Hollinger, J.P., et al. [1984, p.862-870, eng] 39-1909
Airborne microwave measurements of the southern Greenland ice sheet. Swift, C.T., et al. [1985, p.1983-1994, eng] 39-1912
SNOW-ONE-B ASL/SMART measurements. Hanley, S.T., et al. [1983, p.249-278, eng] 39-1960
Algorithm to measure sea ice concentration with microwave radiometers. Swift, C.T., et al. [1985, p.1087-1099, eng] 39-2363
Determining physical properties of sea ice by remote sensing. Ralzer, V.I.U., et al. [1985, p.23-31, rus] 39-2464
Millimeter wave radiometric images of the marginal ice zone. Hollinger, J.P., et al. [1984, p.353-358, eng] 39-2537
Surface based brightness temperatures of sea ice in the Bering and Greenland seas. Grenfell, T.C., [1984, p.385-389, eng] 39-2543
USSR/USA Bering Sea Experiment: Proceedings. Kondrat'ev, K.I.A., ed. [1982, 307p., eng] 39-2737
Microwave radiometric determination of atmospheric parameters during the Bering Sea Experiment. Wilhelm, T.T., et al. [1982, p.9-35, eng] 39-2739
XM-836 (SADARM) winter sensor tests. Grayling, Michigan. Bauerle, D.G., [1984, p.375-377, eng] 39-2975
All-Union conference on radar meteorology, 6th, Tallin, Apr. 20-23, 1982. Proceedings. [1984, 357p., rus] 39-3072
High-sensitivity air humidity radiometers for freezing weather. Gorelik, A.G., et al. [1984, p.227-230, rus] 39-3076
Microwave emission properties of snow for monitoring hydrological parameters. Schanda, E., et al. [1980, p.157-161, eng] 39-3133
Microwave emission contrast between fresh-water ice and water. Malyschenko, I.U.I., et al. [1984, p.513-519, eng] 39-3509
Remote sensing of environment. [1985, 2000p. (3 vols., eng)] 39-3703
Microwave scanning radiometer data for snowpack properties. Arai, K., et al. [1985, p.435-444, eng] 39-3704
Satellite microwave radiometry of snow cover. Hallikainen, M., [1985, p.1404-1414, eng] 39-3708
- Airborne measurements of freshwater ice albedos. Leshkevich, G.A., et al. [1985, p.1677-1687, eng] 39-3711
Radiometric chronology of Changme-Khangpu glacier. Sikkim. Nijampurkar, V.N., et al. [1985, p.28-33, eng] 39-3721
- Rafting**
See: Ice rafting
- Railroad tracks**
Cost of railroad transportation of earth in freezing weather. Drukker, A.V., [1984, p.6-7, rus] 39-130
Effectiveness of using railroad tracks in the capacity of electrical grounding for railroad power supply systems in permafrost areas. Kosarev, B.I., et al. [1984, p.21-25, rus] 39-430
Eastern section of the BAM. Makartsev, M.K., [1984, p.5-8, rus] 39-1161
Overcoming difficulties of construction in permafrost areas. Vasil'ev, V.A., et al. [1984, p.12-13, rus] 39-1164
Electrification of the western section of the BAM. Moris, E.I.A., [1984, p.15-16, rus] 39-1165
Winter maintenance of signaling, interlocking and blocking devices in winter. Shtul'man, M.A., et al. [1984, 72p., rus] 39-1239
Design and construction equipment for BAM area problems. Shmakov, V.P., [1984, p.31-35, rus] 39-1257
Ways of improving the effectiveness of using the VPR-1200 and VPRS-500 construction machines. Gashkov, B.V., [1985, p.4-7, rus] 39-2031
Repairing railroad subgrades affected by seasonal changes. Pavlov, A.I., [1982, p.89-94, rus] 39-2518
Railroad-bridge floors for severe climatic conditions. Andreev, G.G., et al. [1982, p.69-80, rus] 39-2521
Site surveying for smaller structures in permafrost areas. Druzhinin, M.K., [1985, p.18-19, rus] 39-2864
Organization of railroad construction in northern regions. Lutskiy, S.I.A., et al. [1985, p.48-50, rus] 39-2868
Fine and dusty sands used as frost-heave protection in railroad tracks. Brediu, G.P., et al. [1985, p.13-14, rus] 39-3820
Machines used in BAM construction. Chelombiev, V.N., et al. [1985, p.32-33, rus] 39-3822
Device for deicing rails. Obata, Y., [1972, 4 col. + figs., eng] 39-3844
- Railroad tunnels**
Concrete used in construction of the Baykal tunnel. Kasapov, R.I., et al. [1984, p.17-19, rus] 39-3876
- Railroads**
Surveys of earthquake areas in permafrost zones. Pavlov, O.V., et al. [1982, p.63-67, rus] 39-33
Seismic surveys in the BAM construction area. Solonenko, V.P., et al. [1982, p.68-76, rus] 39-34
Specification guide for snow removal vehicles for rail transit systems. King, C., et al. [1983, 165p., eng] 39-539
Changes in natural conditions induced by railroads. Mushakov, A.A., [1984, p.139-140, rus] 39-919
Power supply to the eastern section of the BAM. Buza, I.K., et al. [1984, p.16-17, rus] 39-1166
Organization of bridge construction in the western section of the BAM. Rasskazov, I.D., et al. [1984, p.17-19, rus] 39-1167
Baykal Amur railroad: the first decade. Aganbegian, A.G., ed. [1984, 208p., rus] 39-1408
Baykal Amur railroad at the last stage of construction. Mokhortov, K.V., [1984, p.29-38, rus] 39-1409
Tunnels of the BAM. Bessolov, V.A., et al. [1984, p.38-44, rus] 39-1410
New stage of construction and operation of the Baykal Amur railroad. Gorbunov, V.A., [1984, p.143-150, rus] 39-1411
Ways of improving the effectiveness of using the VPR-1200 and VPRS-500 construction machines. Gashkov, B.V., [1985, p.4-7, rus] 39-2031
Design and performance of road and railway embankments on permafrost. Esch, D.C., [1984, p.25-30, eng] 39-2123
Railroad-bridge floors for severe climatic conditions. Andreev, G.G., et al. [1982, p.69-80, rus] 39-2521
Ice formation precursor research. Huang, Y.F., et al. [1983, 81p., eng] 39-2677
Automation in organizing railroad construction. Pershin, S.P., ed. [1983, 116p., rus] 39-2823
Estimating service life of excavators in permafrost areas. Lutskiy, S.I.A., et al. [1983, p.12-20, rus] 39-2824
Modeling roadbed construction with permafrost preservation. Ivanov, M.I., et al. [1983, p.21-27, rus] 39-2825
Railroad construction in paludal northern taiga. Klenov, V.V., [1983, p.104-106, rus] 39-2827
Ecological aspects of economic development of the North. Budkov, S.T., [1984, p.79-80, rus] 39-3062
Problems of accelerated construction of roadbeds in polar areas. Freidin, I.A.I., [1985, p.9, rus] 39-3113
Stresses in railroad embankments built in northern swamps. Derbenisev, A.S., et al. [1985, p.9-10, rus] 39-3114
Calculating ultimate strength of embankment foundations for swamps. Lobanov, I.Z., [1985, p.10-11, rus] 39-3115
Bridges on rivers crossing northern swamps. Bialik, B.F., et al. [1985, p.14-17, rus] 39-3117
- Urban planning and construction of petroleum complexes. Sukhanov, N.V., [1985, p.23-27, rus] 39-3122
Study of laser deicing. Gajda, W.J., [1983, 40p., eng] 39-3922
- See also: Baykal Amur railroad
- Rain**
Mudflow formation on river basin slopes. Moskalev, E.L., et al. [1984, p.142-149, rus] 39-305
Attenuation of visible and infrared radiation in rain and snow. Sokolov, A.V., [1971, p.2175-2178, eng] 39-358
Overview of acid rain monitoring activities in North America. Wisniewski, J., et al. [1982, p.598-618, eng] 39-2213
Radar meteorology. Stepanenko, V.D., ed. [1984, 211p., rus] 39-2847
Relationship between precipitation and surface meteorology. Matsuo, T., et al. [1981, p.462-476, eng] 39-2994
Observation of precipitating clouds by radar. Fujiyoshi, Y., et al. [1984, p.113-123, jpn] 39-4040
- Reclamation**
See: Land reclamation
- Reconnaissance**
See: Infrared reconnaissance; Photographic reconnaissance
- Recording instruments**
Vertical tidal motion of Filchner Ice Shelf. Eckstaller, A., et al. [1984, p.82-97, ger] 39-1605
- Recreational facilities**
Sport- and recreation related buildings and structures in the North. Balakhonov, O.N., [1984, 133p., rus] 39-1933
- Recrystallization**
Fish antifreeze protein and the freezing and recrystallization of ice. Knight, C.A., et al. [1984, p.295-296, eng] 39-18
Role of sublimational processes in avalanche formation. Brukhanda, V.I., et al. [1984, p.59-73, rus] 39-636
Recrystallized grain grown in deformed ice crystal. Ohtomo, M., [1984, 21p., eng] 39-3689
See also: Snow recrystallization
- Recycling**
See: Heat recovery; Sewage treatment; Waste treatment
- Reflection**
Analysis of remotely sensed reflectance data on frost. Clark, R.N., et al. [1984, p.6329-6340, eng] 39-326
Airborne laser systems for remote sensing of vegetation. Kanevskii, V.A., et al. [1984, p.137-139, rus] 39-1497
Discrete reflections from thin layers of snow and ice. Jezek, K.C., et al. [1984, p.323-331, eng] 39-2971
See also: Seismic reflection
- Reflectivity**
Spectral properties of ice-particulate mixtures. Clark, R.N., et al. [1984, p.6341-6348, eng] 39-679
Equivalent radar reflectivity factors for snow and ice particles. Smith, P.L., [1984, p.1258-1260, eng] 39-1393
See also: Brightness
- Reforestation**
See: Forestry; Revegetation
- Refraction**
Atmospheric turbulence measurements at SNOW-ONE-B. Andreas, E.L., [1983, p.81-87, eng] 39-1953
See also: Seismic refraction
- Refuse**
See: Wastes
- Regelation**
Numerical solutions for a rigid-ice model of secondary frost heave. O'Neill, K., et al. [1982, 11p., eng] 39-1266
Thermally induced regelation: a qualitative discussion. Miller, R.D., [1984, p.61-63, eng] 39-2128
Conditions of regelation of sea ice in the Arctic. Gorbunov, I.U.A., et al. [1984, p.23-31, eng] 39-3660
- Reinforced concretes**
Reinforced concrete panels for building construction in cold areas. Pavlovskaya, G., [1984, p.6-7, rus] 39-432
Design of reinforced concrete engineering structures for thermal stresses. Krichetskii, A.P., [1984, 149p., rus] 39-771
Construction of large panel buildings. Rozanov, N.P., [1982, 224p., rus] 39-870
Arctic concrete technology. Kivekas, L., et al. [1984, 149p., fin] 39-1023
Single-pile foundations for industrial objects. Nakonechniy, N.I., et al. [1984, p.23-25, rus] 39-1033
Construction of small and medium size bridges with all-sectional columnar supports. Blinkov, L.S., [1984, p.20-21, rus] 39-1168
Reinforced concrete at very low temperature. Rostasy, F.S., et al. [1984, p.47-51, eng] 39-1248
Experimental modular transformer sub-stations. Nartissov, O.A., et al. [1984, p.23-24, rus] 39-1256
Frost resistance of reinforced concrete pavement plates. Evlanov, S.F., et al. [1984, p.22-23, rus] 39-1308
Foundations for power line supports. Solodovnik, V.A., et al. [1984, p.22-25, rus] 39-1340

Reinforced concretes (cont.)

- Using collar beams when fixing one-column reinforced concrete supports. Budanov, V.G., [1984, p.38-39, rus] 39-1345
- Estimating the service life of reinforced concrete structures at low temperatures. Guzev, E.A., et al, [1984, p.9-10, rus] 39-1558
- Frost resistant reinforced concrete for bridges. Borisov, V.V., et al, [1985, p.24-25, rus] 39-2079
- Railroad-bridge floors for severe climatic conditions. Andreev, G.G., et al, [1982, p.69-80, rus] 39-2521
- Increasing the strength of reinforced-concrete structures at plants during their reconstruction. Balitskii, V.S., et al, [1985, p.31-32, rus] 39-2860
- Fracture development in freezing reinforced concrete under bending stresses. Guzev, E.A., et al, [1985, p.35-36, rus] 39-2861
- Bridge construction in petroleum provinces of western Siberia. Koter, V.A., [1985, p.12-14, rus] 39-3116
- Bridges on rivers crossing northern swamps. Bialik, B.F., et al, [1985, p.14-17, rus] 39-3117
- Shore roads for Siberian rivers. Dubin, A.A., [1985, p.24-25, rus] 39-3121
- Fatigue damage for reinforced concrete offshore structures. Shah, S.P., [1985, p.671-679, eng] 39-3214
- Cap-pile foundations for low-rise buildings. Miasnikin, A., [1984, p.14-15, rus] 39-3300
- Concretes with combined admixtures for engineering structures. Khazanov, M., [1984, p.46-48, rus] 39-3301
- Corrosion of steel in concretes containing antifreeze sodium chloride admixtures. Rozental, N.K., et al, [1985, p.126-129, rus] 39-3545
- Improving the range of block sections for residential houses in the Far North. Tankian, V.G., [1984, p.3-5, rus] 39-3738
- Large bridges of Siberia. Bypov, I.G., [1984, p.59-60, rus] 39-3879
- Relaxation (mechanics)**
- Polymers in space research. [1970, 457p. (Pertinent p.181-357), eng] 39-140
- Theory of inelastic relaxation of ice. Petrenko, V.F., et al, [1984, p.2681-2688, rus] 39-2186
- See also: ice relaxation
- Relief**
- See: Microrelief: Topographic features
- Remote sensing**
- Prospects for describing and monitoring from space the elements of the seasonal cycle of sea ice. Carsey, F.D., [1984, p.37-42, eng] 39-169
- Measurement of surface deformation of the Greenland ice sheet by satellite tracking. Drew, A.R., et al, [1984, p.51-55, eng] 39-172
- Introduction to a new sea-ice database. Knight, R.W., [1984, p.81-84, eng] 39-177
- Glacier flexure and the position of grounding lines: measurements by tiltmeter on Rutford Ice Stream, Antarctica. Stephenson, S.N., [1984, p.165-169, eng] 39-192
- Observing polar-ice variability. Zwally, H.J., [1984, p.191-198, eng] 39-197
- Concentration, growth and decay of seasonal sea ice cover. Comiso, J.C., et al, [1984, p.8081-8103, eng] 39-216
- Microwave emission from High Arctic sea ice during freeze-up. Hollinger, J.P., et al, [1984, p.8104-8122, eng] 39-217
- Distribution of snow cover in China. Li, P., et al, [1983, p.9-18, chi] 39-262
- Remote sensing as an aid in periglacial research. Svensson, H., [1982, p.109-125, swe] 39-280
- Analysis of remotely sensed reflectance data on frost. Clark, R.N., et al, [1984, p.6329-6340, eng] 39-326
- Great Lakes Ice Research Workshop, Columbus, OH, 1983. [1984, 78p., eng] 39-480
- Ice formation on Minnesota lakes using LANDSAT data. Stefan, H., et al, [1979, 98p., eng] 39-487
- Mississippi River ice cover between dam No.3 and Lake Pepin. Stefan, H., [1980, 91p., eng] 39-490
- Remote sensing: a tool for northern development. Pallister, J., [1984, p.16-21, eng] 39-541
- Snowpack estimation in the St. John River basin. Power, J.M., et al, [1980, p.467-486, eng] 39-601
- Sea ice structure of Greenland Sea. Simon, T., [1983, p.47-66, fre] 39-722
- Morphological mapping in high latitude mountains. Peulvast, J.P., [1983, p.67-81, fre] 39-723
- Remote sensing of weather and climate parameters. Susskind, J., et al, [1984, p.4677-4697, eng] 39-761
- Snow reflectance from LANDSAT-4 thematic mapper. Dozier, J., [1984, p.323-328, eng] 39-779
- Snow depth in the mid-western U.S. from SMMR data. Hall, D.K., et al, [1984, p.1-8, eng] 39-815
- Arctic ocean ice and climate: perspectives on a century of polar research. Barry, R.G., [1983, p.485-501, eng] 39-860
- Satellite glaciology of Iceland. Williams, R.S., Jr., [1982, p.3-12, eng] 39-984
- Satellite discrimination of snow/cloud surfaces. Crane, R.G., et al, [1984, p.213-223, eng] 39-1039
- Snow mapping with active microwave sensors. Matzler, C., et al, [1984, p.409-422, eng] 39-1040

SEASAT SAR sea-ice imagery: summer melt to autumn freeze-up. Ketchum, R.D., Jr., [1984, p.533-544, eng] 39-1041

- Studying the emissivity of ice and snow covers. Belich, R.B., [1984, p.91-102, rus] 39-1134
- Remote-sensing satellite in polar orbit. [1983, 209p., eng] 39-1234
- Landsat-D investigations in snow hydrology. Dozier, J., [1983, 2p., eng] 39-1236
- Scattering properties of ice and snow in clouds. Moninger, W.R., et al, [1984, p.149-156, eng] 39-1250
- Environmental mapping of the Arctic National Wildlife Refuge, Alaska. Walker, D.A., et al, [1982, 59p. + 2 maps, eng] 39-1274
- Proceedings. Role of snow and ice in northern basin hydrology. [1984, 5 sections, eng] 39-1278
- Hydrological measuring and data transmission in Greenland. Thomsen, T., [1984, p.1.51-1.69, eng] 39-1282
- Snow stick, a new device for monitoring snow depth. Ostrem, G., [1984, p.1.71-1.78, eng] 39-1283
- Studies of microwave remote sensing of snow. Hallikainen, M., et al, [1984, p.1.5-2.26, eng] 39-1285
- Height determination of optically thin ice clouds. Pollinger, W., et al, [1984, p.269-281, eng] 39-1320
- NOAA environment satellites. Steggall, N., [1982, p.34-35, eng] 39-1478
- Monitoring forest fires. Valendik, E.N., et al, [1984, p.115-117, rus] 39-1496
- Airborne laser systems for remote sensing of vegetation. Kanevskii, V.A., et al, [1984, p.137-139, rus] 39-1497
- Filchner-Ronne Ice Shelf programme, Report 1 (1984). Kohnen, H., comp, [1985, 38p., eng] 39-1528
- Microwave images for sea-ice classification. Eppler, D.T., et al, [1984, 54p., eng] 39-1720
- Radar remote surveying for Arctic operations. Inkster, D.R., [1984, 18p., eng] 39-1858
- Pack ice interaction with Stamukhi Shoal, Beaufort Sea, Alaska. Reimnitz, E., et al, [1984, p.159-183, eng] 39-1875
- Sediment characteristics of the lagoons of the Alaskan Beaufort Sea coast and evolution of Simpson Lagoon. Naidu, A.S., et al, [1984, p.275-292, eng] 39-1880
- All-weather millimeter wave imagery in the marginal ice zone. Hollinger, J.P., et al, [1984, p.862-870, eng] 39-1909
- Airborne microwave measurements of the southern Greenland ice sheet. Swift, C.T., et al, [1985, p.1983-1994, eng] 39-1912
- Environments of the Earth as seen from space. Kozlov, N.P., ed, [1984, 151p., rus] 39-2037
- LANDSAT-D investigations in snow hydrology. Dozier, J., [1984, 6p., eng] 39-2089
- Radar investigations above the trans-Alaska pipeline near Fairbanks. Arcone, S.A., et al, [1984, 15p., eng] 39-2098
- Generation of the snowline. Bagchi, A.K., [1983, p.1679-1689, eng] 39-2236
- Remote sensing of terrain, water resources, sea ice and agriculture. Biggs, A.W., [1983, p.61-6/22, eng] 39-2257
- Sea ice movements from synthetic aperture radar. Rothrock, D.A., et al, [1981, 84p., eng] 39-2261
- Recent variations of some glaciers in the Karakoram Mountains. Zhang, X., [1984, p.39-50, eng] 39-2298
- Survey and analysis systems for the Vajñajökull ice-depth sounding expedition. Bishop, J.F., et al, [1984, p.101-110, eng] 39-2304
- Geomorphology of the Hunza Valley, Karakoram Mountains, Pakistan. Goudie, A.S., et al, [1984, p.359-410, eng] 39-2319
- Special colour enhancement for three channels having similar radiances. Thomas, I.L., et al, [1984, p.753-760, eng] 39-2354
- Microwave remote sensing of snow cover. Schanda, E., et al, [1983, p.149-158, eng] 39-2449
- Night-time observations of snow using visible imagery. Foster, J.L., [1983, p.785-791, eng] 39-2450
- Determining physical properties of sea ice by remote sensing. Ralzer, V.I.U., et al, [1985, p.23-31, rus] 39-2464
- Iceberg mapping in Lancaster Sound with synthetic aperture radar. Lowry, R.T., et al, [1983, p.3-9, eng] 39-2524
- Method to measure iceberg impact areas remotely on a large structure. Hudson, R.D., et al, [1983, p.13-17, eng] 39-2526
- Remote sensing—from research towards operational use. [1984, 880p. (2 vols.), eng] 39-2531
- SAR for real-time ice reconnaissance. Nichols, A., et al, [1984, p.71-76, eng] 39-2532
- Dielectric measurements of soils in the 3-37 GHz band between -50°C and 23°C. Hallikainen, M., et al, [1984, p.163-168, eng] 39-2533
- Dielectric behavior of snow in the 3-37 GHz range. Hallikainen, M., et al, [1984, p.169-174, eng] 39-2534
- Remote sensing of the marginal ice zone during MIZEX '83. [1984, p.339-346, eng] 39-2535

SAR measurement of sea ice properties during MIZEX '83. Burns, B.A., et al, [1984, p.347-351, eng] 39-2536

- Millimeter wave radiometric images of the marginal ice zone. Hollinger, J.P., et al, [1984, p.353-358, eng] 39-2537
- Eddy studies during MIZEX 83 by ship and remote sensing. Johannessen, O.M., et al, [1984, p.365-368, eng] 39-2539
- Mapping the Fram Strait ice edge using AVHRR imagery and NOAA satellite orbital data. Kloster, K., et al, [1984, p.369-372, eng] 39-2540
- Seasonal ice variation in the Barents Sea obtained from the NIMBUS-7 SMMR observations. Olaussen, I., et al, [1984, p.391-393, eng] 39-2544
- Distribution of ice concentration. Multiyear and first year fraction in the Arctic Ocean derived from the NIMBUS-7 SMMR observations. Svendsen, E., et al, [1984, p.395-397, eng] 39-2545
- Use of satellites in frost forecasting: SIPHES project. Caselles, V., et al, [1984, p.461-465, eng] 39-2546
- Chilean antarctic deployment of automatic weather stations. Araya F., M., et al, [1983, p.39-68, eng] 39-2594
- Remote sensing in the North Alaska stream icings. Dean, K.G., [1984, p.4-7, eng] 39-2759
- Iceberg distributions in the Labrador Sea from SLAR imagery 1978-1980. Sutton, J., et al, [1983, p.17-20, eng] 39-2836
- Landsat imagery for sediments in Prudhoe Bay, Alaska. Stringer, W.J., et al, [1984, p.16-21, eng] 39-2871
- RADARSAT—the challenge of daily satellite ice reconnaissance. Shaw, E., [1982, p.1G.4.1-1G.4.6, eng] 39-2901
- Feature identification and location experiment. Sivertson, W.E., Jr., et al, [1982, p.1031-1033, eng] 39-2903
- Passive microwave remote sensing for sea ice research. [1984, 55p., eng] 39-2914
- Radar measurements of snowcover thickness. Bogorodskii, V.V., et al, [1984, p.598-599, eng] 39-2924
- Discrete reflections from thin layers of snow and ice. Jezek, K.C., et al, [1984, p.323-331, eng] 39-2971
- Satellite data for all-weather charting of snow cover. Robinson, D., et al, [1984, p.434-435, eng] 39-2987
- Stream-icing zones in Alaska. Dean, K.G., [1984, 20p. + map, eng] 39-2988
- Contribution of space observations to water resources management. [1980, 280p., eng] 39-3128
- Snow mapping from space platforms. Itten, K.I., [1980, p.125-138, eng] 39-3129
- Problems of snow cover assessment: an approach using remote sensing techniques in a pilot project in the Beas River basin, Himachal Pradesh, India. Vohra, C.P., et al, [1980, p.139-142, eng] 39-3130
- Eurasian snow cover extent: the NOAA satellite record, 1966-79. Matson, M., et al, [1980, p.142-152, eng] 39-3131
- Studies of snow accumulation characteristics on Himalayan slopes. Bagchi, A.K., [1980, p.153-156, eng] 39-3132
- Distribution of electrical parameters in upper layers of shelf, land, and fast ice near Novolazarevskaya Station. Khokhlov, G.P., [1984, p.360-365, eng] 39-3136
- Arctic ice island and sea ice movements and mechanical properties. First quarterly report, Oct. 1-Dec. 31, 1983. Sackinger, W.M., et al, [1984, 28p. + illus., eng] 39-3151
- Arctic ice island and sea ice movements and mechanical properties. Second quarterly report, Jan. 1-March 31, 1984. Sackinger, W.M., et al, [1984, 175p. + 3 appends., eng] 39-3152
- Scientific research. Dyer, J., [1985, p.85-86, eng] 39-3332
- Science program for an imaging radar receiving station in Alaska. Weller, G., et al, [1983, 45p., eng] 39-3415
- Winter snow cover drought of 1980-81. Matson, M., et al, [1982, p.57-63, eng] 39-3421
- Snow cover variations in Northern Hemisphere, 1967-1980. Dewey, K.F., et al, [1982, p.157-165, eng] 39-3422
- Summer Arctic sea ice character from satellite microwave data. Carsey, F.D., [1985, p.5015-5034, eng] 39-3435
- Processes and imagery of first-year fast sea ice during the melt season. Holt, B., et al, [1985, p.5045-5062, eng] 39-3437
- Canadian Symposium on Remote Sensing, 1983. [1984, 840p., eng] 39-3439
- Computer monitoring sea ice temperature using NOAA satellite data. Condal, A.R., et al, [1984, p.145-150, eng] 39-3440
- Iceberg mapping in Lancaster Sound with synthetic aperture radar. Lowry, R.T., et al, [1984, p.239-246, eng] 39-3441
- Ice floe dimensions as calculated by transect measurements. Nazarenko, D., et al, [1984, p.247-252, eng] 39-3442
- Summer distribution of icebergs in NW Baffin Bay and Lancaster Sound. Pearson, D.E., [1984, p.253-260, eng] 39-3443
- Landsat data for sediment dispersal in the Beaufort Sea. Perrott, T., et al, [1984, p.283-291, eng] 39-3444

- Microwave emission contrast between fresh-water ice and water. Malysheko, I.U.I., et al. (1984, p.513-519, eng) 39-3509
- Marginal ice zone bibliography. Brennan, A., comp. (1985, p.29-187, eng) 39-3639
- Underwater navigation and positioning systems. Vestgard, K., (1985, p.321-327, eng) 39-3679
- Experiment on radio-echo sounding of a mountain glacier. Huang, Y., et al. (1980, p.37-39, chi) 39-3699
- Remote sensing of environment. (1985, 2000p. (3 vols.), eng) 39-3703
- Microwave scanning radiometer data for snowpack properties. Arai, K., et al. (1985, p.435-444, eng) 39-3704
- Terrain classification in Yukon Territory, Canada. Franklin, S.E., et al. (1985, p.603-611, eng) 39-3705
- Use of remote sensing for the U.S. Army Corps of Engineers dredging program. McKim, H.L., et al. (1985, p.1141-1150, eng) 39-3707
- Satellite microwave radiometry of snow cover. Hallikainen, M., (1985, p.1404-1414, eng) 39-3708
- Snow cover area-runoff forecasting models, Western Himalaya. Dey, B., (1985, p.1425-1432, eng) 39-3709
- Visible and infrared sea ice mapping from satellites. Wannamaker, B., et al. (1985, p.1671-1675, eng) 39-3710
- Polarimetry and photometry of the antarctic sky. Egan, W.G., (1985, p.1845-1854, eng) 39-3712
- Influence of snow cover recession on an alpine ecological system. Keller, M., et al. (1985, p.1931-1936, eng) 39-3713
- Ice edge eddy dynamics in the East Greenland Current. Cowan, A.M., et al. (1985, p.1945-1954, eng) 39-3714
- Icebergs off south Victoria Land. Keys, J.R., (1985, p.1-7, eng) 39-3863
- Microwave monitoring of aviation icing clouds. Gary, B.L., (1983, 22p., eng) 39-3901
- Aerial-landscape method of studying exogenic processes. Sadov, A.V., (1978, 151p., rus) 39-4005
- Ice characteristics in the shear zone, Beaufort Sea. Hoare, R.D., et al. (1980, 45p. + appends, eng) 39-4023
- Runoff from glacierized mountains. Ferguson, R.I., (1985, p.702-708, eng) 39-4052
- Chilean low cost and accurate remote sensing technology. Araya F., M., (1984, p.85-90, eng) 39-4069
- Replicas**
See: Ice crystal replicas
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See: Ice reporting
- Research institutions**
See: Laboratories
- Research projects**
United States Geological Survey in Alaska: accomplishments during 1981. Coonrad, W.L., ed. (1984, 162p., eng) 39-21
- Arctic technology research projects in Finland. Laiho, L., (1984, 60p., eng) 39-233
- Antarctic Committee reports, No.17. Main results of twenty years' research in the Antarctic. Avsiuk, G.A., ed. (1984, 348p., eng) 39-552
- Report of National Committee on Snow and Ice. (1984, p.143-146, jpn) 39-778
- Current state and trends in antarctic glaciological research. Kahmann, B., (1983, p.52-57, ger) 39-786
- 25 years research activities of the GDR in the Antarctic. (1984, 64p., eng) 39-855
- National Chinese Conference on Permafrost, 2nd, 1981. Brown, J., et al. (1982, 58p., eng) 39-871
- United States security interests in the Arctic. Johnson, G.L., et al. (1984, p.268-294, eng) 39-1016
- Norwegian Polar Research Institute's 1984-85 Antarctic Expedition. (1984, p.39, eng) 39-1205
- Studying taiga vegetation in the Severnaya research station. Orlov, A.I.A., (1984, p.36-57, rus) 39-1414
- Filchner-Ronne Ice Shelf programme, Report 1 (1984). Kohnen, H., comp. (1985, 38p., eng) 39-1528
- Antarctica II/4 Expedition, 1983/84. Kohnen, H., ed. (1984, p.1-185, ger) 39-1599
- Antarctic adventure. Germandt, H., (1984, 284p., ger) 39-1828
- German Arctic expedition, 1984. Augstein, E., et al. (1984, 192p., eng) 39-1949
- British Antarctic Survey annual report, 1983-1984. (1984, 104p., eng) 39-1962
- Rebuilding Australia's antarctic stations. (1981, 15p., eng) 39-2192
- Japanese geomorphological research in the Lützw-Holm Bay region. Yoshida, Y., (1984, p.2-8, jpn) 39-2273
- Marginal ice zone experiment. (1984, p.22-27, eng) 39-2276
- On the scientific method of J. Ross Mackay. Mathews, W.H., (1985, p.1-6, eng) 39-2691
- Eighteenth Assembly of the IUGG on hydrology and glaciology. Kotliakov, V.M., et al. (1984, p.3-7, rus) 39-2765
- Filchner-Ronne Ice Shelf programme, Report 2 (1985). Kohnen, H., comp. (1985, 136p., ger) 39-2799
- Soviet-Canada cooperation in ice navigation. (1984, p.33-36, eng) 39-2875
- Science program for an imaging radar receiving station in Alaska. Weller, G., et al. (1983, 45p., eng) 39-3415
- Main stages and prospects of study of the polar regions of the earth. Treshnikov, A.F., (1984, p.1-19, eng) 39-3668
- Problems of investigating sea ice. Gudkovich, Z.M., et al. (1984, p.57-65, eng) 39-3669
- Problems of large-scale ocean-atmosphere interaction. Nikolaev, I.U.V., et al. (1984, p.66-70, eng) 39-3670
- Scott Polar Research Institute participation in MIZEX 1984. Wadhams, P., (1985, p.505-510, eng) 39-3868
- SPRI 58th annual report. (1985, p.561-576, eng) 39-3869
- Publications of the C.N.R.S., Center for Geomorphology. Caen. Lautridou, J.P., (1985, 3p. + 7p. of bibliography, fre) 39-3900
- See also: Military research
- Research vessels**
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- Reservoirs**
Reservoir bank erosion caused by ice. Gatto, L.W., (1984, p.203-214, eng) 39-397
- Long range forecasting of ice conditions on Volga reservoirs. Efremova, N.D., et al. (1984, p.3-17, rus) 39-434
- Bank recession of Corps of Engineers reservoirs. Gatto, L.W., et al. (1983, 103p., eng) 39-1371
- Shore and lake bottom formation in permafrost areas. Shirokov, V.M., (1984, p.10-26, rus) 39-1417
- Environmental impact of flow control of Siberian rivers. Savkin, V.M., et al. (1984, p.26-33, rus) 39-1418
- Hydrometeorological changes in the Yenisey complex area. Titova, I.U.V., et al. (1984, p.63-77, rus) 39-1419
- Estimating seasonal changes in water inflow into reservoirs. Komarov, V.D., et al. (1985, p.3-26, rus) 39-1548
- Lake shore erosion in the Far North. Gogolev, E.S., et al. (1984, p.42-45, rus) 39-1594
- Jamming tendency of floating ice in rivers and reservoirs. Kolodko, J., et al. (1984, p.251-254, eng) 39-1773
- Backwater profiles on hydroelectric reservoir with ice cover. Majewski, W., (1984, p.255-264, eng) 39-1774
- Construction of water reservoirs in taiga. Avakian, A.B., et al. (1984, p.64-78, rus) 39-2345
- Calculating heat transfer between reservoir walls and outside media. Sobolev, I.U.V., et al. (1985, p.9-12, rus) 39-3750
- Residential buildings**
Cylindrical cinder blocks for building on permafrost. Zrelakov, V.A., et al. (1984, p.16-17, rus) 39-122
- Heat losses related to structures of heaters. Ral'chuk, N.T., (1984, p.105-109, rus) 39-135
- Settlement and regional planning for the North. Miakinenkov, V.M., (1983, 115p., rus) 39-646
- Construction in the Tyumen' area. Gusev, V.A., (1984, p.7-9, rus) 39-790
- Standard sectional buildings for the North. Dukarskil, I.U.M., et al. (1984, p.22-26, rus) 39-893
- Foundations of light-weight buildings on permafrost. Gerasimov, A.S., (1984, 152p., rus) 39-955
- Designing buildings and structures for northern gas fields. Golovkin, V.N., (1984, p.9-10, rus) 39-1029
- Climatic bases of regional urban planning and construction in Siberia. Pivkin, V.M., (1984, 260p., rus) 39-1364
- Large-block concrete residential buildings. Alzenberg, G.B., et al. (1984, p.14-16, rus) 39-1834
- Sport- and recreation related buildings and structures in the North. Balakhonov, O.N., (1984, 133p., rus) 39-1933
- Shortage of living accommodations in Yamburg. Nabokov, V.V., (1985, p.10, rus) 39-2028
- Methods of accelerated construction of pipeline systems from western Siberia. Shabanov, P.P., (1985, p.14-15, rus) 39-2030
- Residential houses for rural construction in the North. Sakharov, A.N., (1984, 261p., rus) 39-2117
- Thawing depth of permafrost beneath pile foundations. Varshavskii, I.P., et al. (1985, p.30-31, rus) 39-2227
- Pile foundations of buildings and structures on sagging ground. Grigorian, A.A., (1984, 162p., rus) 39-2239
- Dwellings and climate. Litkevich, V.K., (1984, 288p., rus) 39-2278
- House for the North. Magidin, V., et al. (1984, p.62-68, rus) 39-2857
- Nizhnevartovsk - an urban construction experiment in western Siberia. Bazilevich, A., et al. (1984, p.40-43, rus) 39-2858
- Large panel buildings designed for the North. Kruglova, I.A.B., (1985, p.32-33, rus) 39-2865
- Urban planning and construction of petroleum complexes. Sukhanov, N.V., (1985, p.25-27, rus) 39-3122
- Improving the range of block sections for residential houses in the Far North. Tankian, V.G., (1984, p.3-5, rus) 39-3738
- Determining the power of heating elements needed for heated floors of modular buildings. Kazantsev, I.A., et al. (1984, p.21-22, rus) 39-3772
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Bearing capacity of pile foundations in sagging loess soils. Buslov, A.S., et al. (1983, 105p., rus) 39-1240
- Resources**
See: Natural resources
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Regional characteristics of soil formation in monsoon areas after forest fires. Sapozhnikov, A.P., (1982, p.117-124, rus) 39-31
- Influence of felling and reforestation on river discharge in the southern and central taiga subzones. Krestovskii, O.I., (1984, p.125-135, rus) 39-118
- Method of establishing requirements for reforestation work in operational taiga-zone forests. Poirouvskaia, R.I., et al. (1984, p.121-122, rus) 39-136
- Using conifer seedlings in taiga revegetation. Kharin, O.A., et al. (1984, p.56-58, rus) 39-349
- Revegetation of burned-out areas in forests of permafrost zones. Bondar', P.A., (1984, p.24-26, rus) 39-350
- Soil formation and revegetation of permafrost slopes. Shishkina, L.P., et al. (1984, p.91-96, rus) 39-394
- Restoration of vegetational cover of forest communities in the northern Kola Peninsula. Kuz'mina, L.I., (1984, p.15, rus) 39-507
- Trees and shrubs growing on mudflow cones. Khomullo, O.N., (1984, p.37-38, rus) 39-514
- Revegetation of an alpine area. Roach, D.A., et al. (1984, p.37-43, eng) 39-603
- Protective structures in terrain stabilization. Schiechl, H.M., (1973, 244p., ger) 39-661
- Changes in Arctic tussock tundra thirteen years after fire. Fetcher, N., et al. (1984, p.1332-1333, eng) 39-886
- Oil spills: damage and recovery in tundra and taiga. Linkins, A.E., et al. (1984, p.135-155, eng) 39-1180
- Introduced mammals. Bonner, W.N., (1984, p.237-278, eng) 39-1185
- Estimating the state of forests after fires from satellite photographs. Furiaev, V.V., et al. (1980, p.31-32, rus) 39-1333
- All-Union Seminar on environmental impact of industry, Zvenigorod, Dec. 4-8, 1984. Summaries of reports. Krivolutskiĭ, D.A., ed. (1984, 240p., rus) 39-1425
- All-Union Conference on aerial and space methods of studying forests, Krasnoyarsk, July 7-9, 1984. Summaries of reports. (1984, 186p., rus) 39-1480
- Studying post-fire pine forest revegetation from aerial photographs. Zlobina, L.P., (1984, p.92-93, rus) 39-1494
- Origin of northern spruce forests. Anishin, P.A., (1984, p.10-18, rus) 39-1547
- Revegetation of eroded soils in the Arctic. Kuz'min, I.U.I., et al. (1984, p.33, rus) 39-1560
- Revegetation of eroded soils in western Siberia. Moskalenko, N.G., (1984, p.147-154, eng) 39-1655
- Preliminary estimation of the impact of industries on highland ecosystems. Razumov, V.V., et al. (1984, p.121-134, rus) 39-1710
- Soil microflora during the revegetation of uncovered soils of different mechanical composition in Taymyr tundras. Parinkina, O.M., (1985, p.29-35, rus) 39-2336
- Initial revegetation stages of bare ground in southern tundras of the Taymyr Peninsula. Pilt, T.Kh., et al. (1984, p.20-50, rus) 39-2369
- Impact of human activities on spruce forest of northern Tien Shan and the dynamics of its recovery. Roldugin, I.I., (1983, 208p., rus) 39-2452
- Revegetation of eroded soils in permafrost areas. Zaitsev, G.A., (1985, p.38-41, rus) 39-2463
- Symposium on the use of mathematical modeling in ecological investigations of forests and swamps, Aug. 21-23, 1984. Summaries (1984, 136p., rus) 39-2580
- Acclimatization potential of woody plants in the North. Kazakov, L.A., (1984, p.65-68, rus) 39-2648
- Zonality in the forest flora of Central Khangay (Mongolia). Savina, L.N., (1984, p.82-93, rus) 39-3007
- Restoration of drying fir-spruce forests in the Central Sikhote Alin'. Malorova, L.A., (1984, p.115-116, rus) 39-3065
- Reforestation in the southern taiga subzone. Koropachinskii, I.U., ed. (1983, 125p., rus) 39-3066
- Natural restoration beneath the canopy of southern taiga. Babinseva, R.M., et al. (1983, p.5-13, rus) 39-3067
- Estimation of artificial reforestation quality in the Bol'shemurtinskii Forestry. Vital'ev, A.P., et al. (1983, p.31-40, rus) 39-3068
- Changes in vegetational cover of mixed-grass pine forests due to human activities. Krivchikova, L.D., (1983, p.49-57, rus) 39-3069
- Changes in chemical and biologic properties of soils beneath forest cultures. Popova, E.P., et al. (1983, p.64-73, rus) 39-3071
- Biological recultivation of technical wastes in the Far North. Kuz'min, I.U.I., (1985, p.21-24, rus) 39-3106
- Reforestation problems in the BAM zone. Bobrinev, V.P., (1985, p.105-111, rus) 39-3598
- Slope processes in cold regions affected by industry. Klevenkaia, I.L., et al. (1985, p.23-38, rus) 39-3628
- Structure and successions of algal cenoses in recultivated ecosystems of southern Kuzbass. Shushueva, M.G., (1985, p.85-93, rus) 39-3631

Vegetation (cont.)

- Dynamic processes in forests of the Far East. Man'ko, I.U.I., ed. (1984, 168p., rus) 39-3798
- Secondary successions in forests of Sikhote Alin. Komarova, T.A., (1984, p.20-35, rus) 39-3799
- Dynamics of forest resources in northern Sakhalin Island. Sheingauz, A.S., (1984, p.36-54, rus) 39-3800
- Natural revegetation of conifers on felled areas. Klitsov, A.P., (1984, p.55-66, rus) 39-3801
- Reestablishment of larch forests in central Sikhote Alin. Gligolev, V.A., (1984, p.91-103, rus) 39-3802
- Prospects for the development of northern landscapes affected by human activities. Solov'eva, O.V., (1984, p.31-35, rus) 39-3809
- Dynamics of geosystems and economic development of taiga in the Angara River area. Krauklis, A.A., et al. (1985, 279p., rus) 39-3984
- See also: Introduced plants
- Rheology**
- Proceedings, Vol.2. Engineering mechanics in civil engineering. (1984, p.735-1547, eng) 39-108
- Creep model for constant stress and constant strain rate. Fish, A.M., (1984, p.1009-1012, eng) 39-110
- Mechanical properties of Dye 3 Greenland deep ice cores. Azuma, N., et al. (1984, p.1-8, eng) 39-163
- Rheology of an ice flow field. Bratchie, I., (1984, p.23-28, eng) 39-167
- A three-dimensional time-dependent model of the West Antarctic ice sheet. Budd, W.F., et al. (1984, p.29-36, eng) 39-168
- Cross-sectional model for West Antarctica. McInnes, B.J., et al. (1984, p.95-99, eng) 39-180
- Glacier flexure and the position of grounding lines: measurements by tiltmeter on Rutford Ice Stream, Antarctica. Stephenson, S.N., (1984, p.165-169, eng) 39-192
- Ice flow leading to the deep core hole at Dye 3, Greenland. Whillans, I.M., et al. (1984, p.185-190, eng) 39-196
- Thermodynamic model of creep at constant stress and constant strain rate. Fish, A.M., (1984, p.143-161, eng) 39-339
- Analysis of linear sea ice models with an ice margin. Leppäranta, M., (1984, p.31-36, eng) 39-365
- Flow law for isotropic and anisotropic ice at low strain rates. Lile, R.C., (1984, 93p., eng) 39-379
- Preliminary investigation of thermal ice pressures. Cox, G.F.N., (1984, p.221-229, eng) 39-399
- New creep equation for frozen soils and ice. Gardner, A.R., et al. (1984, p.271-275, eng) 39-404
- Creep and strength testing of frozen saline fine-grained soils. Nixon, J.F., et al. (1984, p.518-529, eng) 39-493
- Rheology of polar ice. Liboutry, L., (1983, p.787-790, fre) 39-650
- Ice dynamics. Hibler, W.D., III, (1984, 52p., eng) 39-896
- Creep behavior of frozen silt under constant uniaxial stress. Zhu, Y., et al. (1984, p.33-48, chi) 39-932
- On the rheology of a broken ice field due to flow collision. Shen, H., et al. (1984, p.29-34, eng) 39-1127
- Ice load prediction for Arctic nearshore zone. Vivatrat, V., et al. (1984, p.75-87, eng) 39-1624
- Rigsby stage with remote computer compatible output. Morgan, V.I., et al. (1984, p.89-92, eng) 39-1625
- Model tests and in situ behaviour of prestressed anchors in snow and ice. Jessberger, H.L., et al. (1984, p.21-32, eng) 39-1789
- Rheology of glacier ice. Jezek, K.C., et al. (1985, p.1335-1337, eng) 39-1942
- Rheological properties of concrete mixtures subjected to percussion-vibration. Falvusovich, A.S., et al. (1984, p.68-71, rus) 39-1982
- Model of the ice age cycle. Peltier, W.R., et al. (1982, p.565-580, eng) 39-1987
- Accurate modelling of glacier flow. Waddington, E.D., (1982, n.p., eng) 39-2004
- Effects of freeze thaw cycles on structure of loamy sediments. Pissart, A., (1984, p.553-565, eng) 39-2086
- Principles of thermorheology of cryogenic soils. Grechishchev, S.E., (1984, p.52-54, eng) 39-2126
- Deformation of freezing, thawing, and frozen rocks. Lebedenko, I.U.P., et al. (1984, p.248-252, eng) 39-2166
- Analog methods for determining long-term deformability of permafrost materials. Roman, L.T., (1984, p.290-294, eng) 39-2175
- Plasticity of mudflow mixtures. Gavrilshina, L.N., (1984, p.42-52, rus) 39-2285
- Winter ice forces on large offshore structures. Hamza, H., (1985, p.286-293, eng) 39-2426
- Recent observations on the deformation of ice and ice-rich permafrost. Morgenstern, N.R., (1985, p.133-153, eng) 39-2698
- Density and rheological properties of glacier ice. Salamatina, A.N., et al. (1985, p.94-106, rus) 39-2897
- Creep of mountain permafrost: alpine rock glaciers. Haeblerli, W., (1985, 142p. + map, eng) 39-2912
- Creep properties of ice: theory and experiment. Vinogradov, A.M., (1985, p.447-455, eng) 39-3194

- Search and collection of Yamato meteorites in the 1982-83 field season. Katsushima, T., et al. (1984, p.1-8, eng) 39-3527
- Foundations in permafrost and seasonal frost; Proceedings. (1985, 62p., eng) 39-3578
- Attenuating creep of piles in frozen soils. Parameswaran, V.R., (1985, p.16-28, eng) 39-3580
- Experimental studies of changes in loess caused by exogenic processes induced by construction. Tofaniuk, P.S., (1985, p.4-12, rus) 39-3609
- Rheological model of hummocking of ice cover. Kolesov, S.A., (1984, p.47-55, eng) 39-3662
- Current methods and results of investigations of the physics of ice and the ocean. Bogorodskii, V.V., (1984, p.71-86, eng) 39-3671
- Meteorites in Antarctica—statistics on falls, concentration, recovery and alteration on ice-sheet. Nagata, T., (1983, p.3-11, eng) 39-3870
- Unsolved problems of creep. Weertman, J., (1985, p.227, eng) 39-3886
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- Snow cover distribution in river basins. Kopyl, I.V., et al. (1984, p.70-78, rus) 39-38
- Cryospheric impacts of Soviet river diversion schemes. Holt, T., et al. (1984, p.61-68, eng) 39-174
- Snowpack estimation in the St. John River basin. Power, J.M., et al. (1980, p.467-486, eng) 39-601
- Calculating total glacier ablation. Kononov, V.G., (1984, p.92-98, rus) 39-639
- Recent glaciation of the Ala-Archa River basin. Alzin, V.B., (1984, p.111-120, rus) 39-642
- Landscape types in river valleys of northern Yakutia. Zaikanov, V.G., (1984, p.110-119, rus) 39-848
- Studying permafrost outcrops in the Kolyma River valley. Murzin, I.U.A., et al. (1984, p.119-127, rus) 39-849
- Mudflow and avalanche danger in mountainous and gullied areas of the Ukrainian SSR. Alzenberg, M.M., et al. (1984, p.88-95, rus) 39-911
- Ice vein formation in naled areas of river valleys. Sannikov, S.A., (1984, p.160, rus) 39-924
- Geomorphologic regionalization of northern landscapes from satellite photographs. Musatov, E.E., (1984, p.67-83, rus) 39-1109
- Changes in natural conditions induced by human activities. Saks, V.N., ed. (1984, 176p., rus) 39-1415
- Peculiarities of spring-summer runoff fluctuations in the Ob' River basin over a period of years. Bel'om, S.G., et al. (1984, p.5-10, rus) 39-1416
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- Permafrost formation in the Chita-Ingoda depression. Shavrin, P.A., (1984, p.151-154, rus) 39-1420
- Naled plains in the BAM zone. Snishchenko, D.V., (1984, p.59-63, rus) 39-1695
- Calculating spring flood water from satellite photographs. Vostriakova, N.V., (1984, p.85-88, rus) 39-1975
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- Role of Siberian water in hydroeconomics of the USSR. Druzhinin, I.P., et al. (1984, p.165-176, rus) 39-2383
- Relationship between snow cover information and runoff. Marchegiani, E.A., (1984, p.37-50, eng) 39-2446
- Alpine flora of the Mayn River (Anadyr' River tributary). Polezhaev, A.N., et al. (1984, p.1651-1656, rus) 39-2461
- Vegetation of western Siberia and its mapping. Belov, A.V., ed. (1984, 120p., rus) 39-2573
- Economic development of the lower Irtysh River valley. Druzhinina, N.P., et al. (1984, p.50-76, rus) 39-2577
- Combined mapping technique for snow distribution in mountains. Ivanovskaia, T.E., (1984, p.44-56, rus) 39-2767
- Surges of the Muzgazy Glacier. Desinov, L.V., (1984, p.145-146, rus) 39-2780
- Determining glacier mass-balance fluctuations from hydrometeorological data. Zhuk, V.A., et al. (1984, p.178-181, rus) 39-2786
- Individual design method for small river hydrographs in eastern Siberia. Pitenkov, A.V., (1985, p.125-133, rus) 39-3016
- Sediment discharge in the Susitna River basin, Alaska, 1982-1984. Knott, J.M., et al. (1985, 68p., eng) 39-3056
- Environmental impact of power plant construction. Vaskovskii, A.P., et al. (1984, p.80-82, rus) 39-3063
- Landscape of western Siberia: mapping, evaluation, forecasts of development. Bulatov, V.I., ed. (1984, 115p., rus) 39-3078
- Aley River basin: landscape mapping for practical purposes. Bulatov, V.I., et al. (1984, p.3-33, rus) 39-3079
- Morpholithosystems and landscape structure (exemplified by the Omolon River basin). Egorova, G.N., (1983, 164p., rus) 39-3092
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- Variability of common pine in the Angara River area. Kuz'mina, N.A., (1985, p.40-46, rus) 39-3297
- Predictions concerning petroleum presence in the Tunguska River basin. Bukaty, M.B., et al. (1985, p.78-99, rus) 39-3359
- Temperature inversions in the Chara basin. Plukhin, B.V., et al. (1985, p.83-87, rus) 39-3597
- Water balance structure of river catchment areas in permafrost zones. Vasilenko, N.G., et al. (1985, p.25-29, rus) 39-3749
- Formulas for calculating river runoff in permafrost areas. Ivan'o, I.A.M., (1985, p.107-111, rus) 39-3825
- See also: Watersheds
- River crossings**
- Pipeline construction in cold, swampy regions. Tikhonov, A.I., et al. (1984, 81p., rus) 39-938
- Construction of main pipelines in western Siberia. Agovkin, V.N., (1984, p.12-13, rus) 39-1031
- Engineering provisions for military action. Kolibernov, E.S., et al. (1984, 287p., rus) 39-1339
- Using anchor foundations for crossings on the Zeya reservoir for the 220 kV overhead lines of the Tynda-Prizytskaya power line. Petrov, N.K., et al. (1984, p.25-26, rus) 39-1341
- Ob' River crossing of 500 kV overhead power lines. Zlobin, A.A., et al. (1984, p.65-67, rus) 39-1597
- Aerial-engineering surveys for road construction. Fedorov, V.I., et al. (1984, 240p., rus) 39-3325
- See also: Bridges; Ice crossings
- River deposits**
- See: Alluvium
- River diversion**
- Cryospheric impacts of Soviet river diversion schemes. Holt, T., et al. (1984, p.61-68, eng) 39-174
- Large-scale water transfers in the USSR. Kelly, P.M., et al. (1983, p.201-214, eng) 39-618
- Winter coefficient of river drainage. Sergutin, V.E., et al. (1984, p.103-105, rus) 39-1837
- Hydrogeological conditions of the non-chernozem zone of the R.S.F.S.R. Kulikov, G.V., (1983, 338p., rus) 39-2070
- Economic development of taiga. (1984, 184p., rus) 39-2341
- Environmental impact of river diversion. Plitkin, G.A., (1984, p.25-51, rus) 39-2343
- Influence of land reclamation and river diversion on water reserves. Malik, L.K., (1984, p.95-108, rus) 39-2347
- Evaporation from forests and swamps in western Siberia. Rauner, I.U.L., et al. (1984, p.120-127, rus) 39-2349
- Landscape of western Siberia: mapping, evaluation, forecasts of development. Bulatov, V.I., ed. (1984, 115p., rus) 39-3078
- Environmental impact of partial river diversion in permafrost areas. Mikhchev, V.S., (1984, p.98-113, rus) 39-3083
- Diverting Soviet rivers: some possible repercussions for the Arctic Ocean. Cattle, H., (1985, p.485-498, eng) 39-3867
- River flow**
- Cryospheric impacts of Soviet river diversion schemes. Holt, T., et al. (1984, p.61-68, eng) 39-174
- International Symposium on River Sedimentation, 2nd, 1983. (1983, 1158p., chi) 39-274
- Low-temperature effects on flow in sand-bed streams. Hong, R., et al. (1983, p.128-138, chi) 39-275
- Modeling unsteady flow in an ice covered river. Forsius, J., (1984, p.3.1-3.10, eng) 39-1286
- Hydraulics of river ice—a summary. Santeford, H.S., (1984, p.3.25-3.55, eng) 39-1289
- Measurement and modelling of freshwater plumes under an ice cover. Freeman, N.G.S., (1982, n.p., eng) 39-1446
- Hydraulics of breakup. Santeford, H.S., et al. (1984, p.95-110, eng) 39-1458
- Computer simulation of ice cover formation in the Upper St. Lawrence River. Shen, H.T., et al. (1984, p.227-245, eng) 39-1466
- Numerical simulation of freeze-up on the Ottawa/Quebec River. Calkins, D.J., (1984, p.247-277, eng) 39-1467
- Winter rating curves and ice volume limited water levels. Lavender, S.T., (1984, p.279-294, eng) 39-1468
- Anchor ice effects on water levels in Lake St. Louis, St. Lawrence River at Montreal. Parkinson, F.E., (1984, p.345-370, eng) 39-1471
- Characteristics of glacial flood—example of rivers in Xinjiang. Lai, Z., (1984, p.45-52, chi) 39-1539
- LaGrande River a full scale ice hydraulics laboratory. Drouin, M., et al. (1984, p.277-290, eng) 39-1776
- Analysis of river ice resistance from measured velocity profiles. Davar, K.S., et al. (1984, p.349-358, eng) 39-1782
- Analysis of rapidly varying flow in ice-covered rivers. Ferrick, M.G., (1984, p.359-368, eng) 39-1783
- Unsteady flow model of river ice hydraulics. Yapa, P.N.D.D., et al. (1984, p.369-377, eng) 39-1784
- Analysis of causes for floods during ice run on the lower reaches of the Yellow River. Chen, Z., et al. (1984, p.379-388, eng) 39-1785
- Procedure for calculating river flow rate under an ice cover. Alger, G.R., et al. (1984, p.389-398, eng) 39-1786

- Sediment load of the Hunza River. Ferguson, R.I., [1984, p.581-598, eng] 39-2323
- Fluctuations of northern river discharges due to human activities. Markova, O.L., et al. [1984, p.5-24, rus] 39-2342
- Effect of ice cover on hydropower production. Yapa, P.D., et al. [1984, p.231-234, eng] 39-3096
- Analysis of river wave types. Ferrick, M.G., [1985, p.209-220, eng] 39-3098
- Ice cover thickness and weather conditions, upper St. Lawrence River. Shen, H.T., et al. [1982, 191p., eng] 39-3271
- Diverting Soviet rivers: some possible repercussions for the Arctic Ocean. Cattle, H., [1985, p.485-498, eng] 39-3271
- See also: Runoff; Stream flow
- River ice**
- Modeling the freezing process of slush-bearing rivers. Abramov, N.M., [1984, 100p., rus] 39-53
- Simulation of growth and decay of river ice cover. Shen, H.T., et al. [1984, p.958-971, eng] 39-225
- Formation of ice jams in the Elbe River—a case study. Garbrecht, G., et al. [1983, p.1038-1049, eng] 39-276
- Performance of the Allegheny River ice control structure. 1983. Deck, D.S., et al. [1984, 15p., eng] 39-381
- Influence of stratospheric circulation, water temperature in the northern Atlantic Ocean, and clouds over the Atlantic, on the dates of ice appearance on rivers of the European part of the USSR. Ginzburg, B.M., et al. [1984, p.17-30, rus] 39-435
- Ice conditions of the St. Lawrence River, 1971-1981. Greene, G.M., [1984, 19p., eng] 39-478
- Mississippi River ice cover between dam No.3 and Lake Pepin. Stefan, H., [1980, 91p., eng] 39-490
- Controlling river ice to alleviate ice jam flooding. Deck, D.S., [1984, p.524-528, eng] 39-614
- Salmon River ice jams. Cunningham, L.L., et al. [1984, p.529-533, eng] 39-615
- River-ice jams and drives determined from botanical evidence. Reynolds, D.M., [1976, 84p., eng] 39-741
- Forecasting water temperature decline and freeze-up in rivers. Shen, H.T., et al. [1984, 17p., eng] 39-802
- Analysis of winter heat flow in an ice-covered Arctic stream. Wankiewicz, A., [1984, p.430-443, eng] 39-875
- Conceptual model of river ice breakup. Beltaos, S., [1984, p.516-529, eng] 39-878
- General hydrology (hydrology of dry land). Bogoslovskii, B.B., et al. [1984, 422p., rus] 39-1136
- Management of ice-covered rivers: problems and perspectives. Davar, K.S., et al. [1981, p.245-253, eng] 39-1152
- Observations of ice thickness in daily regulated rivers. Laasanen, O., [1984, p.315-323, eng] 39-1288
- Hydraulics of river ice—a summary. Santeford, H.S., [1984, p.325-355, eng] 39-1289
- Workshop on Hydraulics of River Ice, 3rd, 1984, [1984, 456p., eng] 39-1454
- Winter ice regime in the tidal estuaries of the Bay of Fundy, N.B. Desplanque, C., et al. [1984, p.7-38, eng] 39-1455
- Study of river ice breakup using hydrometric station records. Beltaos, S., [1984, p.41-64, eng] 39-1456
- Case studies concerned with ice jamming. Petryk, S., [1984, p.113-126, eng] 39-1459
- Cutting trenches in the ice cover to prevent ice jams. Jolicœur, L., et al. [1984, p.127-139, eng] 39-1460
- Flood protection with ice cover on the Saint Charles River, Quebec City. Monflet, J., et al. [1984, p.159-179, fre] 39-1462
- Ice jam research needs. Gerard, R., [1984, p.181-193, eng] 39-1463
- Coverage coefficient for calculating ice volume generated. Hauser, R., et al. [1984, p.211-224, eng] 39-1465
- Computer simulation of ice cover formation in the Upper St. Lawrence River. Shen, H.T., et al. [1984, p.227-245, eng] 39-1466
- Numerical simulation of freeze-up on the Ottawa/Quebec River. Calkins, D.J., [1984, p.247-277, eng] 39-1467
- Winter rating curves and ice volume limited water levels. Lavender, S.T., [1984, p.279-294, eng] 39-1468
- Rise pattern and velocity of frazil ice. Wuebben, J.L., [1984, p.297-316, eng] 39-1469
- Measurements of frazil and drifting ice in the Lachine rapids. Michel, B., et al. [1984, p.317-343, eng] 39-1470
- Anchor ice effects on water levels in Lake St. Louis, St. Lawrence River at Montreal. Parkinson, F.E., [1984, p.345-370, eng] 39-1471
- Improved ice control with better understanding of thermal regime of the international section of St. Lawrence River. Bunte-Bisnett, D., et al. [1984, p.371-386, eng] 39-1472
- Interaction between surface waves and a densely packed broken ice cover. Foltyn, E.P., et al. [1984, p.387-406, eng] 39-1473
- IAHR Ice Symposium, 7th, Hamburg, Aug. 27-31, 1984 [1984, 2 vols., eng] 39-1750
- Regularity of the freezing-up of the water surface and heat exchange between water body and water surface. Matoušek, V., [1984, p.187-200, eng] 39-1767
- Recent developments on mathematical modelling of winter thermal regime of rivers. Marcotte, N., [1984, p.201-210, eng] 39-1768
- Statistical time-series analysis and reliability of data describing the occurrence and intensity of ice-phenomena in rivers and reservoirs. Votruba, L., et al. [1984, p.211-221, eng] 39-1769
- Analysis of ice dam formation and its forecasting. Liu, G., et al. [1984, p.233-240, eng] 39-1771
- Field investigation of St. Lawrence River hanging ice dams. Shen, H.T., et al. [1984, p.241-249, eng] 39-1772
- Jamming tendency of floating ice in rivers and reservoirs. Kolodko, J., et al. [1984, p.251-254, eng] 39-1773
- Backwater profiles on hydroelectric reservoir with ice cover. Majewski, W., [1984, p.255-264, eng] 39-1774
- Strategic hydro power operation at freeze-up reduces ice jamming. Billfalk, L., [1984, p.265-275, eng] 39-1775
- LaGrande River a full scale ice hydraulics laboratory. Drouin, M., et al. [1984, p.277-290, eng] 39-1776
- Concept and experience in controlling the ice regime on the Yugoslav reach of the Danube after the construction of the Iron Gate dam. Petković, S., et al. [1984, p.291-302, eng] 39-1777
- Types of ice run and conditions for their formation. Matoušek, V., [1984, p.315-327, eng] 39-1779
- Methods of ice control for winter navigation in inland waters. Frankenstein, G.E., et al. [1984, p.329-337, eng] 39-1780
- Analysis of river ice resistance from measured velocity profiles. Davar, K.S., et al. [1984, p.349-358, eng] 39-1782
- Analysis of rapidly varying flow in ice-covered rivers. Ferrick, M.G., [1984, p.359-368, eng] 39-1783
- Unsteady flow model of river ice hydraulics. Yapa, P.N.D.D., et al. [1984, p.369-377, eng] 39-1784
- Analysis of causes for floods during ice run on the lower reaches of the Yellow River. Chen, Z., et al. [1984, p.379-388, eng] 39-1785
- Procedure for calculating river flow rate under an ice cover. Alger, G.R., et al. [1984, p.389-398, eng] 39-1786
- Great Lakes limited season extension operation of Sault Ste. Marie Locks, Michigan, U.S.A. Beurket, R.T., et al. [1984, p.267-276, eng] 39-1809
- Application of subsurface radar measurement of ice thickness. Mayer, I., et al. [1984, p.325-338, eng] 39-1814
- Estimating ice breakup dates for rivers of the Kara Sea basin. Nalimov, I.U.V., et al. [1984, p.97-110, rus] 39-2020
- Managing water resources for Alaska's development: proceedings. Aldrich, J.W., ed. [1983, var. p., eng] 39-2440
- Environmental effects of ice processes on the Susitna River. Schoch, G.C., et al. [1983, p.8(1)-8(31), eng] 39-2444
- Ice cover progression in large rivers. Michel, B., [1984, p.798-814, eng] 39-2493
- Unified degree-day method for river ice cover thickness simulation. Shen, H.T., et al. [1985, p.54-62, eng] 39-2513
- Discharge of ice-choked streams during spring breakup. Sherstone, D.A., [1980, 69p., eng] 39-2702
- Frazil and anchor ice. Osterkamp, T.E., et al. [1985, 17p., eng] 39-2712
- Remote sensing in the North Alaska stream icings. Dean, K.G., [1984, p.4-7, eng] 39-2759
- Yukon river breakup: the 82-year record. Fountain, A.G., [1984, p.20-24, eng] 39-2762
- Stream-icing zones in Alaska. Dean, K.G., [1984, 20p., eng] 39-2988
- Effect of ice cover on hydropower production. Yapa, P.D., et al. [1984, p.231-234, eng] 39-3096
- Method for weakening the ice cover in northern rivers. Manikyan, V., et al. [1985, p.239-250, eng] 39-3177
- Ice cover thickness and weather conditions, upper St. Lawrence River. Shen, H.T., et al. [1982, 191p., eng] 39-3271
- Annual loss of winter runoff for naled formation. Sokolov, B.L., et al. [1984, p.50-61, rus] 39-3346
- Growth and mechanical properties of river and lake ice. Ramseier, R.O., [1972, 243p., eng] 39-3387
- Hydraulic characteristics of frazil flocs. Park, C., et al. [1984, p.27-35, eng] 39-3468
- Controlling river ice to alleviate ice jam flooding. Deck, D., [1984, p.69-76, eng] 39-3471
- Feasibility of ice control below high-head hydro projects. Liapin, V.E., et al. [1984, p.77-87, eng] 39-3472
- Ice loads on hydraulic structures. Karnovich, V.N., et al. [1984, p.249-253, eng] 39-3485
- Ice engineering in 1984. Michel, B., [1984, p.301-325, eng] 39-3503
- River ice breakup. Beltaos, S., [1984, p.365-386, eng] 39-3506
- Summer season along Hudson Bay, 19th century. Wilson, C.V., [1985, 38p. + figs., eng] 39-3691
- Energy: Alaska. Davis, N., [1984, 530p., eng] 39-4002
- Rivers**
- Hydrochemistry of rivers and lakes in the Buryat ASSR. Obozhin, V.N., et al. [1984, 151p., rus] 39-482
- Bank erosion of U.S. northern rivers. Gatto, L.W., [1982, 75p., eng] 39-1264
- Heat sink of the Yenisey River in its estuarine area. Kurzhunov, A.N., [1984, p.66-74, rus] 39-2016
- See also: Glacial rivers; Icebound rivers; Streams
- Road icing**
- Cold regions engineering in Norway. Flaate, K., [1983, p.5-6, eng] 39-312
- Optimizing deicing chemical application rates. Minsk, L.D., [1982, 55p., eng] 39-1270
- Aircraft accidents with snow and ice on runways. [1982, 109p., eng] 39-1527
- Ice-preventing materials of the Orenburg region. Glagolev, E.V., et al. [1984, p.13-14, rus] 39-2856
- Ultrasonic version of an ice-removing machine. Ermilov, A., [1985, p.12-13, rus] 39-2884
- Highway snow and ice control. State-of-the-art. Gustafson, K., [1985, 124p., eng] 39-3794
- Experiments with unsalted roads in winter, Sweden. Björketun, U., et al. [1984, 63p., swe] 39-3796
- Deicer composition. Standish, N.W., et al. [1965, 6 col., eng] 39-3830
- Deicer composition. Standish, N.W., et al. [1966, 6 col., eng] 39-3832
- Pavement deicer. Hinrichs, B.F., [1970, 6 col. + figs., eng] 39-3839
- Method of protecting pavement from corrosive salts and an impermeable pavement membrane and pavement overlay for use in said method. Kietzman, J.H., et al. [1975, 16 col., eng] 39-3848
- Road surface deicing device. Cox, S.M., [1976, 2 col. + figs., eng] 39-3849
- Deicing and traction forming composition and methods of making same. Lowe, H.E., Jr., [1981, 4 col. + figs., eng] 39-3854
- Method for producing and storing sand coated with calcium chloride. Hamlin, R.S., et al. [1981, 4 col., eng] 39-3855
- Process of making calcium acetate deicing agents. Gancy, A.B., [1983, 10 col., eng] 39-3856
- Water-activated exothermic chemical deicing formulations. Gancy, A.P., [1983, 6 col., eng] 39-3858
- Water-activated exothermic chemical formulations. Gancy, A.B., [1984, 10 col., eng] 39-3859
- Novel road and highway deicer and traction agent, and process for its manufacture. Gancy, A.B., [1984, 8 col., eng] 39-3860
- Deicing composition. Mitkevich, E.M., et al. [1982, 4 col., rus] 39-3972
- Method to inhibit corrosive effect of MgCl₂ solutions. Kloth, H., et al. [1980, 3p., ger] 39-3974
- De-icing composition. [1970, 3p., eng] 39-3975
- Deicing composition. Shaker, M., et al. [1982, 8 col., rus] 39-3978
- Deicing composition and process for preparation. Rippie, W., [1983, 9p., eng] 39-3979
- Treating slippery surfaces on snow and ice. Straub, T., [1982, 6p., ger] 39-3980
- Preventing slippery surface on snow and ice. [1981, 4 col., ger] 39-4011
- Spreading agent for reducing slipperiness on snow and ice. Warner, J., et al. [1983, 6p., ger] 39-4013
- Spreading agent for slippery surfaces on snow and ice. Budich, M., [1982, 4p., ger] 39-4014
- Use of solutions for melting icy surfaces. Titzenthaler, E., et al. [1979, 4 col. + fig., ger] 39-4018
- Spreading agent for icy and snowy roads. Fresenius, W., [1972, 4p., ger] 39-4019
- Road maintenance**
- Keeping America's roads safe during winter. Atkinson, J., [1984, p.56-58, 62, eng] 39-93
- Increasing the efficiency of repairing construction equipment. Bardyshev, O.A., [1984, p.22-24, rus] 39-131
- Increasing traffic safety and regularity in snow-storm periods. Norem, H., [1983, p.9-11, eng] 39-314
- Highway pavement condition inventory in Alaska. Brawner, A., [1984, 2p., eng] 39-733
- Road maintenance equipment in equipment fleets. Nutty, A., [1983, p.15-28, fre] 39-770
- Maintenance of gravel roads in northern countries. Johannesson, A., et al. [1984, 96p., fin] 39-1037
- Snowdrifts and corrective actions on the Dempster Highway, N.W.T. [1981, 6p. + figs., eng] 39-1178
- Sensors for ice and fog detection. Brinkman, A., et al. [1984, p.63-73, eng] 39-1246
- Surface treatment of highways. Angst, C., [1984, p.109-113, ger] 39-1569
- Field evaluation of snowplowable pavement markers. Pigman, J.G., et al. [1983, p.18-24, eng] 39-1645
- Blending the old with the new to fight winter storms. Heugele, T.J., Jr., [1982, p.48-49, eng] 39-1663
- Highway superintendents discuss winter maintenance. [1982, p.48-49, eng] 39-1664
- Salt and spreaders: dynamic duo battles snow and ice. [1984, p.114-115, eng] 39-1738

Road maintenance (cont.)

- Technology, cost and organization of urban winter road service. Pezzetti, G., et al. (1984, p.34-43, ita) 39-2047
- Readiness key to snow program. (1984, p.16-17, eng) 39-2050
- Engineer's pothole repair guide. Eaton, R.A., et al. (1984, 12p., eng) 39-2096
- Comparison of three compactors used in pothole repair. Snelling, M.A., et al. (1984, 14p., eng) 39-2099
- Winter maintenance of streets in Italy. Canovi, L. (1985, p.32-36, ita) 39-2667
- Flexible ice-shedding pavement salt alternative test begins in Minnesota. (1985, p.21, eng) 39-2716
- New look at pothole patching. (1982, p.16-17, eng) 39-2725
- Where maintenance is an adventure: Alaska's Dalton highway. (1982, p.20-21, eng) 39-2726
- "Luminous wall" patching: key to permanent pothole repairs in winter. Riedlinger, T. (1983, p.24-26, eng) 39-2728
- Guide to winter maintenance equipment and materials. (1984, p.15-37, eng) 39-2729
- Highway snow and ice control: state-of-the-art. Gustafson, K. (1984, 102p., swe) 39-2870
- Developments, aims and possibilities of winter service on federal highways. Kuhle, H. (1985, p.63-68, ger) 39-2889
- Snowfighters face many challenges. Atkinson, J. (1985, p.74-84, eng) 39-3032
- Truck drivers' attitudes to winter road maintenance. Arnberg, P.W. (1984, 17p. + appends., swe) 39-3795
- Experiments with unsalted roads in winter, Sweden. Björketun, U., et al. (1984, 63p., swe) 39-3796
- Effect of different factors on car speeds on rural roads, Sweden. Kolarud, B. (1984, 36p., swe) 39-3797
- Ice and snow control without salt on streets. Hoffmann, G., et al. (1985, p.205-210, ger) 39-3895
- Roadbeds**
- Construction of railroads and associated buildings in permafrost areas. Smirnova, E.A. (1984, p.60-64, rus) 39-133
- Calculating soil moisture for roadbed construction. Aleksikov, S.V., et al. (1984, p.105-109, rus) 39-594
- Stabilization of roadbeds in swamps. Derbas, V.A., et al. (1984, p.6-7, rus) 39-673
- Improving blasthole drilling techniques. Fazylov, R.G., et al. (1984, p.11-14, rus) 39-1163
- Overcoming difficulties of construction in permafrost areas. Vasil'ev, V.A., et al. (1984, p.12-13, rus) 39-1164
- Power supply to the eastern section of the BAM. Buza, I.K., et al. (1984, p.16-17, rus) 39-1166
- Calculating settlement of embankments built on permafrost. Guletskii, V.V., et al. (1984, p.8, rus) 39-1254
- Use of industrial waste materials in road construction. Mironov, A.A., et al. (1984, p.3-4, rus) 39-1309
- Blasting techniques used in construction on water-saturated ground. Smirnov, A.G., et al. (1984, 216p., rus) 39-2069
- Geodetic surveys in permafrost areas. Iurkov, F.Kh. (1984, p.19, rus) 39-2109
- Automation in organizing railroad construction. Pershin, S.P., ed. (1983, 116p., rus) 39-2823
- Estimating service life of excavators in permafrost areas. Lutsik, S.I.A., et al. (1983, p.12-20, rus) 39-2824
- Modeling roadbed construction with permafrost preservation. Ivanov, M.I., et al. (1983, p.21-27, rus) 39-2825
- Environmental impact of quarry excavation for northern construction. Lukashuk, L.V., et al. (1983, p.28-33, rus) 39-2826
- Railroad construction in paludal northern taiga. Klenov, V.V. (1983, p.104-106, rus) 39-2827
- Using soil cement under severe climatic conditions. Kisilayn, V.A. (1984, p.5-6, rus) 39-2852
- Binding compounds for cementing roadbed tops in cold regions. Vasil'ev, I.U.M., et al. (1984, p.6-7, rus) 39-2853
- Problems of accelerated construction of roadbeds in polar areas. Freidin, I.A.I. (1985, p.9, rus) 39-3113
- Forest winter roads. Gladkodorov, P.I., et al. (1985, p.30-31, rus) 39-3311
- Roadbed construction in the North. Tkachenko, V.I.A., et al. (1984, p.7-8, rus) 39-3874
- Dalton Highway: characterization of foundation soils. Vita, C.L., et al. (1984, 30p. + appends., eng) 39-3904
- Height of embankments free of snowdrifts. Bialobzhetskii, G.V. (1983, p.14-16, rus) 39-3919
- Construction of frost-heave preventing layers of non-conditioned sands. Ruvinskii, V.I., et al. (1983, p.16-17, rus) 39-3920
- Improving the resistance of soils to frost heave. Khabibullina, E.N. (1983, p.18-19, rus) 39-3921
- Roads**
- Aerial surveys of gas pipelines. Marakhtanov, V.P., et al. (1984, p.35-37, rus) 39-123
- Frost heaving of multigraded soils. Johansson, H.G. (1984, p.95-98, eng) 39-147

- Production of road construction material from till. Knutz, A. (1984, p.99-100, eng) 39-148
- Vormund test road. Part 3: Observations and results. Nordan, R.S., ed. (1984, 165p., nor) 39-287
- Avalanche hazard evaluation, accuracy and use. Norem, H. (1983, p.7-8, eng) 39-313
- Prediction of frost heave of roads. Saetersdal, R. (1983, p.27-30, eng) 39-315
- Low cost road tunnel developments in Norway. Grønhaug, A. (1983, p.31-37, eng) 39-316
- Winter maintenance of roads in eastern Siberia. Maevskii, A.A. (1984, p.53-58, rus) 39-418
- Settlement and regional planning for the North. Miakinenkov, V.M. (1983, 115p., rus) 39-646
- Snow control study for Dempster Highway cut at mile 292.5. Williams, C.J., et al. (1978, 3p. + 8 figs., eng) 39-727
- Economic development of the Chita section of BAM. Zadorozhnyi, V.F., et al. (1984, p.101-108, rus) 39-904
- Snow avalanches in Iceland in the winters 1980-81 and 1981-82. Jónsson, H.H. (1982, p.149-154, eng) 39-990
- Frost resistance of reinforced concrete pavement plates. Evlanov, S.F., et al. (1984, p.22-23, rus) 39-1308
- Climatic bases of regional urban planning and construction in Siberia. Pivkin, V.M. (1984, 260p., rus) 39-1364
- Methods of accelerated construction of pipeline systems from western Siberia. Shabanov, P.P. (1985, p.14-15, rus) 39-2030
- Efficient control of embankment thickness in construction on swamps. Iaromko, V.N. (1984, p.4-5, rus) 39-2107
- Blasting technique for building embankments in swamps. Smirnov, A.G., et al. (1984, p.12-13, rus) 39-2108
- Planning winter maintenance of roads. Antonenko, L.V., et al. (1984, p.26, rus) 39-2110
- Design and performance of road and railway embankments on permafrost. Esch, D.C. (1984, p.25-30, eng) 39-2123
- Combined mechanization schemes for construction of industrial pipelines. (1985, p.23-26, rus) 39-2226
- Building the Alaska highway: political background. Naske, C.M. (1984, p.25-35, eng) 39-2763
- Problems of engineering glaciology. Osokin, N.I. (1984, p.215-219, rus) 39-2794
- Some reflections on fundamental research in the freezing of soils. Aguirre-Puente, J. (1984, p.63-65, eng) 39-3050
- Ecological aspects of economic development of the North. Bud'kov, S.T. (1984, p.79-80, rus) 39-3062
- Shore roads for Siberian rivers. Dubin, A.A. (1985, p.24-25, rus) 39-3121
- Urban planning and construction of petroleum complexes. Sukhanov, N.V. (1985, p.25-27, rus) 39-3122
- Effects of external loadings on large-diameter buried pipelines. Thomas, H.P., et al. (1985, p.754-762, eng) 39-3220
- Forest winter roads. Gladkodorov, P.I., et al. (1985, p.30-31, rus) 39-3311
- Aerial-engineering surveys for road construction. Fedorov, V.I., et al. (1984, 240p., rus) 39-3325
- Machine for opening drainage ditches. Stramov, V.M., et al. (1984, p.16, rus) 39-3539
- See also: Ice roads; Snow roads
- Rock creep**
- See: Talus
- Rock drilling**
- Using foam as circulation fluid in drilling wells. An, A.A., et al. (1984, p.59-61, rus) 39-3550
- Rock excavation**
- Seismic effect of explosion in frozen and hard rocks. Iakovlev, S.V., et al. (1984, p.27-29, rus) 39-411
- Regularities governing thermal stabilization of ground. Shapar, A.G., et al. (1984, p.38-42, rus) 39-1564
- Rock fills**
- Increasing seismic stability of earth dams. Natariius, I.A.I. (1984, 88p., rus) 39-928
- The Osetrovsk River port in the North. Tolmachev, R.A. (1984, p.28-30, rus) 39-1171
- API bulletin on planning, designing, and constructing fixed offshore structures in ice environments. (1982, 49p., eng) 39-1383
- Earth dam construction in freezing weather. Popov, I.U.A., et al. (1985, p.96-100, rus) 39-3402
- Rock glaciers**
- Flow of rock glaciers. Evin, M., et al. (1983, p.107-126, fre) 39-100
- Permafrost mapping of rock glaciers, Austrian Alps. Haeblerli, W., et al. (1983, p.127-150, ger) 39-101
- Rock glaciers. Gorbunov, A. (1984, p.112-113, rus) 39-117
- Rock glaciers in northern Spitsbergen: a discussion. Humlum, O. (1982, p.214-218, eng) 39-764
- Glaciers and rock glaciers in the southern French Alps. Evin, M., et al. (1983, p.27-41, fre) 39-1631
- Talus and rock glaciers. Jorda, M. (1983, p.15-24, fre) 39-2468
- Geomorphology of glaciers and karst of Dedegöl Dag, Turkey. Delanoy, J.J., et al. (1983, p.45-53, fre) 39-2469

- Periglacial geomorphology. Potter, N., Jr. (1984, p.226-232, eng) 39-2570
- Creep of mountain permafrost: alpine rock glaciers. Haeblerli, W. (1985, 142p. + map, eng) 39-2912
- Electrical soundings of some rock glaciers and moraines in the southern Alps of France. Evin, M. (1984, p.127-137, fre) 39-3928
- Morphometric analysis of the stone run Andersson, Falkland Islands. Bellosi, E.S., et al. (1984, p.19-36, spa) 39-3941
- Geocryogenic processes in San Juan Province, Argentina. Simon, W. (1984, p.197-203, spa) 39-3950
- Rock mechanics**
- P and S waves in rocks near Showa Station. Yukutake, H., et al. (1984, p.17-27, eng) 39-1087
- Rock properties**
- Frost shattering of the carvings in Temiya Cave, Otaru. Fukuda, M. (1984, p.171-180, jpn) 39-4046
- Rock streams**
- Lichens of the western Sayan. Kravchuk, S.V. (1981, p.90-92, rus) 39-74
- Rock glaciers. Gorbunov, A. (1984, p.112-113, rus) 39-117
- Vegetation of Alpine tundra and rock streams. Belkina, O.A. (1984, p.45-46, rus) 39-517
- Role of extreme natural processes in the development of coastal landscapes of the Sea of Okhotsk. Stepanova, L.E. (1984, p.49-53, rus) 39-671
- Methods of measuring rock stream movements. Govorushko, S.M. (1984, p.128-137, rus) 39-850
- Geochemical exploration of bald-peak landscapes. Talsae, T.T. (1984, p.61-67, rus) 39-1197
- Permafrost weathering and mineral transport and accumulations. Khmeleva, N.V., et al. (1984, p.67-73, rus) 39-1198
- Slope processes in the continental part of the Far East. Korotkii, A.M., et al. (1977, p.122-133, rus) 39-1901
- Lichens on bald areas of the Badzhai Range. Randlane, T.V. (1984, p.120-133, rus) 39-2370
- Manifestations of exogenic geocryological processes. Trofimov, V.T., ed. (1985, 152p., rus) 39-2373
- Udokan (natural resources and their development). Narkelun, L.F., ed. (1985, 230p., rus) 39-3594
- Morphometric analysis of the stone run Andersson, Falkland Islands. Bellosi, E.S., et al. (1984, p.19-36, spa) 39-3941
- Rock temperature**
- See: Frozen rock temperature
- Rocks**
- Glacial geology and soils in Beacon Valley. Potter, N., Jr., et al. (1983, p.100-103, eng) 39-4
- Lichen flora of the Caucasus. Novruzov, V.S. (1981, p.102-104, rus) 39-77
- Experiments relating to the fracture of bedrock at the ice-rock interface. Smith, J.M. (1984, p.123-125, eng) 39-252
- Ancient rock sea in Shennongjia Mountain. Guo, F. (1983, p.67-70, chi) 39-269
- Drilling and blasting operation from ice. Tavrizov, V.M. (1984, p.597-604, rus) 39-591
- Ice thickness on cirque glaciers in the Yamato Mountains. Nagao, T., et al. (1984, p.9-16, eng) 39-1086
- Radio echosounding of sub-ice bedrock near the Yamato Mountains. Ohmae, H., et al. (1984, p.95-102, eng) 39-1091
- Effects of snow and ice avalanches on lakes. Huber, A. (1984, 12p., ger) 39-1243
- Halos of stones. Weisburd, S. (1985, p.42-44, eng) 39-1275
- Clasts with stoss-lee form in lodgement tills: a discussion. Krüger, J. (1984, p.241-243, eng) 39-1682
- Arctic and alpine karst in Norway. Gale, S.J. (1984, p.311-314, eng) 39-1824
- Quick freezing of rocks using liquid nitrogen. Zhitomirsky, I.S., et al. (1984, p.676-678, eng) 39-2043
- Theory of desiccation of unconsolidated rocks in areas with negative temperatures. Komarov, I.A. (1984, p.236-241, eng) 39-2164
- Plasticity of mudflow mixtures. Gavrilina, I.N. (1984, p.42-52, rus) 39-2285
- High altitude rock weathering processes. Whalley, W.B. (1984, p.365-373, eng) 39-2312
- Skin slides on rock slopes, north shore of the Gulf of St. Lawrence. Dionne, J.C., et al. (1984, p.193-200, fre) 39-2722
- Temperature fluctuations in alpine bedrocks. Francou, B. (1983, p.27-38, fre) 39-2820
- Theoretical model of the fracture of rock during freezing. Walder, J., et al. (1985, p.336-346, eng) 39-3097
- Mathematical model for perched block formation. Patterson, F.A. (1984, p.296-301, eng) 39-3778
- See also: Frozen rocks; Lithology
- Roofs**
- Thermal insulation and materials. Gowan, F.A., ed. (1983, 89p., eng) 39-219
- Snow loads on double-sloping gabled roofs (discussion). Nevetov, I.A., et al. (1984, p.15-17, rus) 39-431
- Probability models for annual extreme water-equivalent ground snow. Ellingwood, B., et al. (1984, p.1153-1159, eng) 39-1740

- Drift snow loads on multilevel roofs. O'Rourke, M.J., et al. [1985, p.290-306, eng] 39-2512
- Snow loads on sloping roofs: two pilot studies in the Ottawa area. Taylor, D.A., [1985, p.334-343, eng] 39-4024
- Roots**
- Vegetation patterns of Alpine tundra on the Putorana plateau. Chastukhina, S.A., [1984, p.39-40, rus] 39-515
- Wind and plant-root erosion at high altitudes. Koretskii, A.P., [1984, p.100-102, rus] 39-3064
- Grass canopies in recultivated forests of southern Kuzbass ecosystems. Logua, M.T., [1985, p.93-100, rus] 39-3632
- Rotary drilling**
- Drilling equipment under extreme northern conditions. Verkhoturov, B.F., [1985, p.9-10, rus] 39-3102
- Using foam as circulation fluid in drilling wells. An, A.A., et al. [1984, p.59-61, rus] 39-3550
- Drilling large-diameter wells in perennially frozen placers. Minakov, V.M., et al. [1985, p.38-41, rus] 39-3551
- Technical design of core drilling. Mikhailova, N.D., [1985, 200p., rus] 39-3687
- Roughness coefficient**
- Radar reflections from layers with rough boundaries. Iufit, G.A., [1984, p.37-51, rus] 39-462
- See also: Surface roughness
- Route surveys**
- Global and Soviet Arctic policy concerns for the year 2000. Armstrong, T., [1985, p.31-43, eng] 39-3327
- Scientific research. Dyer, I., [1985, p.85-86, eng] 39-3332
- Rubber**
- Asphalt pavements modified with rubber particles. Esch, D., [1984, 35p. + append., eng] 39-2838
- Rubber snow friction**
- Predicting wheeled vehicle motion resistance in shallow snow. Blaisdell, G.L., [1981, 18p., eng] 39-872
- Runoff**
- Results of tracer experiments with fluorescent dyes on Vernagferner (Oetzal Alps, Austria) from 1974 to 1982. Behrens, H., et al. [1983, p.65-83, eng] 39-49
- Influence of felling and reforestation on river discharge in the southern and central taiga subzones. Krestovskii, O.I., [1984, p.125-135, rus] 39-118
- Model for pollutant concentrations during snow-melt. Hibberd, S., [1984, p.58-65, eng] 39-243
- Calculating the glacial component in total river discharge. Samukashvili, R.D., [1984, p.128-132, rus] 39-303
- Lake Ontario basin (U.S.A.-Canada) runoff modeling. Croley, T.E., II, [1983, p.101-121, eng] 39-564
- Spring runoff from an agricultural watershed. Nicholaichuk, W., et al. [1983, p.412-414, eng] 39-622
- Calculating glacier runoff from the southeastern Pamirs. Anbulat, A.A., et al. [1984, p.104-111, rus] 39-641
- Slope processes in South Victoria Land. Miotke, F.-D., [1984, p.1-53, eng] 39-725
- Hydrological data-model work in Greenland. Thomsen, T., et al. [1984, p.39-56, eng] 39-816
- Possibility of calculating snow loads for the USSR. Karapet'iants, E.M., [1983, p.44-51, rus] 39-908
- Floods and flood danger in Iceland. Rist, S., [1982, p.119-132, eng] 39-989
- Surface-water quantity in the lower Kenai Peninsula, Alaska. Savard, C.S., et al. [1984, 62p., eng] 39-1054
- Inclusion of frozen effects in a flood forecasting model. Anderson, E.A., et al. [1984, p.51-514, eng] 39-1292
- Contribution to the calculation of the snow accumulation and snowmelt runoff in a mountain catchment area. Babikova, G., [1984, p.515-540, eng] 39-1293
- Analytical approach for determining snowmelt induced runoff. Bengtsson, L., [1984, p.541-558, eng] 39-1294
- Simulating the effects of dust on arctic snowmelt. Woo, M., [1984, p.597-5116, eng] 39-1298
- Importance of glaciers when planning water resources development or what happened to the glaciers in the period 1930-60. Lundquist, D., [1984, p.5127-5133, eng] 39-1300
- Studies of recent land glaciation of the Soviet Arctic. Govorukha, I.S., [1984, p.344-350, rus] 39-1303
- Impact of snowmelt-runoff from agricultural watersheds on dissolved oxygen. Sullivan, J.F., [1983, p.170-177, eng] 39-1348
- Characteristics of the distribution of total annual precipitation by drainage areas of the Arctic and their variations. Bragzin, N.N., [1979, p.30-39, eng] 39-1367
- Peculiarities of spring-summer runoff fluctuations in the Ob' River basin over a period of years. Belrom, S.G., et al. [1984, p.5-10, rus] 39-1416
- Models of snowmelt runoff. Sugawara, M., et al. [1984, p.187-236, jpn] 39-1971
- Infiltration of a frozen Palouse silt loam soil under simulated rainfall. Lee, H.W., [1983, 125p., eng] 39-2058
- Three phase temperature-density model of snowmelt runoff. Rahman, K.H.S., [1982, n.p., eng] 39-2061
- Techniques for investigating meltwater runoff and erosion. Ferguson, R.I., et al. [1984, p.374-382, eng] 39-2313
- Sediment load of the Hunza River. Ferguson, R.I., [1984, p.581-598, eng] 39-2323
- Runoff in the forest zone of the West Siberian Plain. Burakov, D.A., et al. [1984, p.109-119, rus] 39-2348
- Structure of runoff in the forest zone of the European USSR. Koronkevich, N.I., [1984, p.128-132, rus] 39-2350
- Influence of temperate glaciers on flood events in maritime Alaska. Humphrey, J.H., et al. [1983, p.1(1)-1(26), eng] 39-2441
- Glacier inventory and annual runoff, SE Ellesmere Island. Kraus, P., [1983, 101p., eng] 39-2467
- Correlation of snowpack and runoff, Marmot Creek basin, Alberta. Golding, D.L., [1974, p.31-38, eng] 39-2498
- Canadian glacier hydrology and mass balance studies—a history of accomplishments and recommendations for future work. Young, G.J., et al. [1984, p.169-182, eng] 39-2501
- Glacier mass balance and runoff research in the USA. Mayo, L.R., [1984, p.215-227, eng] 39-2504
- Prediction of glacier derived runoff for hydro-electric development. Tangborn, W.V., [1984, p.257-265, eng] 39-2508
- Development of a conceptual hydrologic model for a sub-arctic watershed. Carlson, R.F., [1972, 58p., eng] 39-2638
- Ice-snow ablation runoff in mountains of western Canada and the United States. Dreier, N.N., et al. [1984, p.56-63, rus] 39-2768
- Ablation component in water balance of glacial lakes. Shchetinnikov, A.S., [1984, p.126-132, rus] 39-2778
- Determining glacier mass-balance fluctuations from hydrometeorological data. Zhuk, V.A., et al. [1984, p.178-181, rus] 39-2786
- Correction of precipitation data by snow measurements. Martinec, J., [1985, p.77-86, ger] 39-2996
- Problems of snow cover assessment: an approach using remote sensing techniques in a pilot project in the Beas River basin, Himachal Pradesh, India. Vohra, C.P., et al. [1980, p.139-142, eng] 39-3130
- Effect of glaciers on streamflow variations. Fountain, A.G., et al. [1985, p.579-586, eng] 39-3278
- Annual loss of winter runoff for naled formation. Sokolov, B.L., et al. [1984, p.50-61, rus] 39-3346
- Determining mean thickness of ground-water naleds. Markov, M.L., [1984, p.61-69, rus] 39-3347
- Water balance structure of river catchment areas in permafrost zones. Vasilenko, N.G., et al. [1985, p.25-29, rus] 39-3749
- Periglacial processes in the Peruvian Andes. Francou, B., [1984, p.113-126, fre] 39-3927
- Runoff forecasting**
- Snow reflectance from LANDSAT-4 thematic mapper. Dozier, J., [1984, p.323-328, eng] 39-779
- Limitations on seasonal snowmelt forecast accuracy. Lettenmaier, D.P., [1984, p.255-269, eng] 39-783
- Alaska's water: a critical resource; proceedings. Bredthauer, S.R., ed. [1984, 218p., eng] 39-2445
- Relationship between snow course information and runoff. Marchegiani, E.A., [1984, p.37-50, eng] 39-2446
- Impact of glaciers on long-term basin water yield. Bredthauer, S.R., et al. [1984, p.51-59, eng] 39-2447
- Prediction of combined snowmelt and rainfall runoff. Mizumura, K., et al. [1985, p.179-193, eng] 39-2490
- Snow cover area-runoff forecasting models, Western Himalayas. Dey, B., [1985, p.1425-1432, eng] 39-3709
- Runoff from glaciated mountains. Ferguson, R.I., [1985, p.702-708, eng] 39-4052
- Runways**
- Compacted snow as a pavement material for runway construction. Russell-Head, D.S., et al. [1984, p.231-247, eng] 39-400
- DE-210A snowplow. Kasinov, B.N., et al. [1984, p.21, rus] 39-827
- Aircraft accidents with snow and ice on runways. [1982, 109p., eng] 39-1527
- Rules for the development of united regional appraisals for structures and construction work. [1985, 156p., rus] 39-2516
- Runway construction at Molodetzhnaya Station. Aver'ianov, V.G., et al. [1983, p.99-105, eng] 39-2600
- Runway at Rodolfo Marsh Martin Station. Carvajal, E.M., [1983, p.144-155, eng] 39-2610
- Use of snow airfields in Antarctica for determination of accumulation rate and atmospheric precipitation. Diurgerov, M.B., et al. [1985, p.87-93, rus] 39-2896
- Use of radioluminescent lights for Alaskan runway lighting. Jensen, G., et al. [1984, 73p. + append., eng] 39-2899
- Method and composition for improving safety of aircraft runways. Moore, W.P., et al. [1976, 18p., eng] 39-3970
- Anti-icer and deicer compositions. Baiker, J.C., et al. [1975, 14p., eng] 39-3971
- See also: Aircraft landing areas; Ice runways
- Safety**
- Safety and survival on polar expeditions. Kohnen, H., comp. [1983, 36p. + Addendum I, July 1984, eng] 39-2823
- Snowcraft/survival school: learning to work in Antarctica. Lasorsa, D.P., et al. [1984, p.5-9, eng] 39-378
- Helicopter operations at SANAE Station. Dean, R.A., [1983, p.140-141, eng] 39-2608
- Fire equipment—sprinkler system. Varcoc, G., [1983, p.382-384, eng] 39-2626
- JARE summer aircraft operations, 1956-1971. Murakoshi, N., et al. [1985, p.56-62, jpn] 39-3605
- Antarctic field manual. [1985, 80p., eng] 39-4003
- Antarctic operations manual. [1985, 80p., eng] 39-4004
- See also: Accidents
- Saint Lawrence River**
- Ice conditions of the St. Lawrence River, 1971-1981. Greene, G.M., [1984, 19p., eng] 39-478
- Saline ice**
- See: Salt ice
- Saline soils**
- Frozen saline soil creep. Nixon, M.S., et al. [1984, p.344-348, eng] 39-25
- Effect of temperature changes on salt transfer in ground water. Konosavskii, P.K., [1984, p.63-66, rus] 39-420
- Creep and strength testing of frozen saline fine-grained soils. Nixon, J.F., et al. [1984, p.518-529, eng] 39-493
- Technique for producing ice from NaCl brine for studying fundamental deformation behavior. Godavarti, P.S., et al. [1985, p.234-237, eng] 39-2418
- Unfrozen water content in saline soils. Patterson, D.E., et al. [1985, p.95-101, eng] 39-2487
- Effects of salt on unfrozen water content in silt, Lanzhou, China. Tice, A.R., et al. [1984, 18p., eng] 39-2916
- Landscape-indication technique of surveying for land reclamation. Vinokurov, I.U.I., et al. [1984, p.41-76, rus] 39-3081
- Strength and deformation behavior of frozen saline sand and gravel. Mahar, L.J., et al. [1985, p.557-565, eng] 39-3204
- Shear strength in the zone of freezing in saline soils. Chamberlain, E.J., [1985, p.566-574, eng] 39-3205
- Properties of frozen marine soils. Stuckert, B.J.A., et al. [1985, p.575-583, eng] 39-3206
- Technique for producing ice from NaCl brine for studying fundamental deformation behavior. Godavarti, P.S., et al. [1985, p.173-176, eng] 39-3285
- Latent heat of frozen saline coarse-grained soil. Vinson, T.S., et al. [1985, p.607-623, eng] 39-3524
- Salinity**
- On the Bering Sea ice edge front. Muench, R.D., et al. [1985, p.3185-3197, eng] 39-2735
- East Greenland polar front in autumn. Paquette, R.G., et al. [1985, p.4866-4882, eng] 39-3432
- See also: Ice salinity
- Salt extraction**
- See: Desalting
- Salt ice**
- Shear strength and adhesion properties of saline ice. Hanninen, J., et al. [1984, 35p., fin] 39-1022
- Technique for producing ice from NaCl brine for studying fundamental deformation behavior. Godavarti, P.S., et al. [1985, p.173-176, eng] 39-3285
- Salt lakes**
- Ancient ice islands in salt lakes of the Central Andes. Hurlbert, S.H., et al. [1984, p.299-302, eng] 39-1910
- Salt spray**
- See: Sea spray
- Salt water**
- Estimation of internal pressure due to a growth of ice thickness in a caisson. Saeki, H., et al. [1984, p.97-109, eng] 39-1796
- Chloride and freeze thaw deterioration of hardened cement. Fujii, T., et al. [1984, p.209-217, jpn] 39-2489
- Ice-made pans and pools in the salt marsh of Isle-Verte, St.-Lawrence Estuary, Quebec. Gauthier, B., et al. [1983, p.49-66, fre] 39-2822
- See also: Sea water
- Salting**
- Salt action on concrete. Sayward, J.M., [1984, 69p., eng] 39-1046
- Optimizing deicing chemical application rates. Minsk, L.D., [1982, 55p., eng] 39-1270
- Salt and spreaders: dynamic duo battles snow and ice. [1984, p.114-115, eng] 39-1738
- Roadway salting effects on snowmelt water quality. Berg, N.H., et al. [1984, p.237-246, eng] 39-3291
- Pavement deicer. Hinrichs, B.F., [1970, 6 col. + figs., eng] 39-3839
- Method of protecting pavement from corrosive salts and an impermeable pavement membrane and pavement overlay for use in said method. Kietzman, J.H., et al. [1975, 16 col., eng] 39-3848
- Method for producing and storing sand coated with calcium chloride. Hamlin, R.S., et al. [1981, 4 col., eng] 39-3855
- Environmental influences on engineering structures of the Berlin freeway. Weber, D., [1982, p.107-113, ger] 39-3969
- Method of production of pourable salt. Boltze, R., et al. [1982, 7p., ger] 39-3973

Salting (cont.)

- Method to inhibit corrosive effect of MgCl₂ solutions. Klothe, H., et al. (1980, 3p., ger) 39-3974
- Protection of concrete pavements from degradation due to salting. (1968, 2p., fre) 39-3976
- Penetration of deicing agents in cement pastes. Collepardi, M., et al. (1972, p.143-150, ita) 39-3977
- Amount of soluble substances needed to melt ice and snow on pavements. Budan, G., (1982, 10p., ger) 39-4016
- Environment-friendly salt and method of its production. Dichtl, W., (1983, 10p., ger) 39-4017
- Effects of deicing salt on physical, chemical and biological soil parameters. Brod, H.G., (1984, p.236-242, ger) 39-4050

Samplers

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Sampling

- Hydrocarbons in snow, ice, and water in the northern part of the Kara Sea. Dmitriev, F.A., et al. (1983, p.67-71, eng) 39-585
- Snow deformation at its impact against different obstacles. Kariakin, A.T., et al. (1984, p.34-37, rus) 39-1704
- See also: Ice sampling

Sands

- Lichens of the Yamal Peninsula. Randlane, T., (1981, p.107-109, rus) 39-78
- Roughness criterion for steel piles in frozen sand. Alwabbab, M.R.M., et al. (1984, p.1288-1291, eng) 39-112
- Frost heaving of multigraded soils. Johansson, H.G., (1984, p.95-98, eng) 39-147
- Sand mining in swamps through boreholes. Latyshev, V., (1984, p.8-9, rus) 39-224
- Low-temperature effects on flow in sand-bed streams. Hong, R., et al. (1983, p.128-138, chi) 39-275
- Soil formation on light rocks in tundra and forest tundra. Liverovskaya, I.T., (1984, p.85-91, rus) 39-393
- Wind erosion in the Far North. Orlianski, V.V., et al. (1984, p.10-15, rus) 39-409
- Strength of pile foundations built on thawing permafrost. Salnikov, P.I., et al. (1984, p.42-48, rus) 39-416
- Iron compounds in soddy podzols. Shvarova, T.I., (1984, p.79-81, rus) 39-444
- Self-orienting snow or sand barrier. Taillandier, J.M., (1984, p.25-32, fre) 39-497
- Low-temperature effects on flow in sand-bed streams. Hong, R., et al. (1984, p.109-125, eng) 39-612
- Inclined drainage of earth dams in the North. Moshkova, M.A., et al. (1980, p.52-55, rus) 39-753
- Peculiarities of thawing ground compression under dynamic loads. Inozemtsev, V.K., (1984, p.148, rus) 39-920
- Tertiary creep model for frozen sands (discussion). Fish, A.M., et al. (1984, p.1373-1378, eng) 39-1038
- Layered hydraulically beds as bearing grounds in cold regions. Konovalov, P.A., et al. (1984, p.25-30, eng) 39-1075
- Fine and very fine sands for concrete. Sheinin, A.M., et al. (1985, p.22-24, rus) 39-2078
- Interaction of self heated thermistor probe with a freezing front moving through moist porous media. Pinchak, A.C., (1985, p.16-21, eng) 39-2390
- Laboratory facility for testing sediments containing gas hydrates. Wittebolle, R.J., et al. (1985, p.52-58, eng) 39-2395
- Creep of frozen sand under isotropic and deviatoric components of stress. Domaschuk, L., et al. (1985, p.59-64, eng) 39-2396
- Pioneering developments in Arctic dredging. LaVieille, C.C., et al. (1985, p.517-523, eng) 39-3201
- Strength and deformation behavior of frozen saline sand and gravel. Mahar, I.J., et al. (1985, p.557-565, eng) 39-3204
- Creep of frozen sand under isotropic and deviatoric components of stress. Domaschuk, L., et al. (1985, p.199-203, eng) 39-3290
- Polygon-veins along the Qinghai-Xizang highway. Liang, F., et al. (1984, p.49-60, chi) 39-3320
- Glacial and non-glacial episodes according to marine core. Frohiser Bay. Dowdeswell, J.A., et al. (1985, p.119-132, eng) 39-3370
- Engineering and geological causes of paludal towns in southern West Siberia. Chernousov, S.I., (1985, p.13-19, rus) 39-3610
- Sources and factors of paludification of upland areas in the town of Novosibirsk. Gospodinov, D.G., (1985, p.70-76, rus) 39-3621
- Influence of grain-size constituent on frost heave in fine sand. Wang, Z., (1980, p.24-28, chi) 39-3697
- Jet technology for soil stabilization. Khasin, M.F., et al. (1984, p.196-199, eng) 39-3812
- Method for producing and storing sand coated with calcium chloride. Hamlin, R.S., et al. (1981, 4 col., eng) 39-3855
- Construction of front-heave preventing layers of non-conditioned sands. Ruvinskii, V.I., et al. (1983, p.16-17, rus) 39-3920

Sanitary engineering

- Nitrogen removal in wastewater ponds. Reed, S.C., (1984, 26p., eng) 39-386
- Climatic bases of regional urban planning and construction in Siberia. Pivkin, V.M., (1984, 260p., rus) 39-1364

- Waste disposal at Australian antarctic stations. Holmes, I.E.B., et al. (1984, p.308-315, eng) 39-2246

Satellite photography

- Satellite photography of western and central Siberia. Astakhov, V.I., et al. (1980, p.24-25, rus) 39-1331
- Geobotanical mapping of taiga. Vasil'chuk, A.I., (1984, p.56-58, rus) 39-1490
- Studying slope processes in Caucasus forests. Imanov, N.A., et al. (1984, p.103-104, rus) 39-1495

Satellites

See: Spacecraft

Scattering

- Evaluation of Arctic transmission loss models. Deavenport, R.L., et al. (1984, 21p., eng) 39-946
- Ray-mode equivalence in the Arctic sound channel. Mellen, R.H., (1984, 20p., eng) 39-947
- Underwater acoustics in the Arctic Ocean. Mellen, R.H., et al. (1984, 6p., eng) 39-950
- Scattering properties of falling snow. Mill, J.D., et al. (1984, p.83-87, eng) 39-2951
- System for the point measurement of airborne snow extinction coefficient. Hutt, D.L., et al. (1984, p.113-120, eng) 39-2955
- Extinction models for falling snow, blowing snow, and snow with fog. Seagraves, M.A., (1984, p.235-245, eng) 39-2964
- Test of the Holt approximation for forward scattering of millimeter waves by stellar dendrites. Goedecke, G.H., et al. (1984, p.273-277, eng) 39-2967
- Millimeter wave extinction and cross-polarization by stellar dendrites. O'Brien, S.G., et al. (1984, p.279-288, eng) 39-2968
- Snow-Two/Smoke Week VI field experiment plan. Redfield, R.K., et al. (1984, 85p., eng) 39-3031
- Scattering and reciprocal conversion of surface and bulk acoustic waves. Lapin, A.D., (1983, p.123-134, eng) 39-3881

See also: Backscattering; Light scattering

School buildings

- Small capacity boarding schools for the North. Kiselev, V.M., (1985, 132p., rus) 39-4058

Sea air interaction

See: Air water interactions

Sea currents

See: Ocean currents

Sea floor

See: Ocean bottom

Sea ice

- Surface roughness of Ross Sea pack ice. Govoni, J.W., et al. (1983, p.123-124, eng) 39-16
- Interaction of atmosphere, ice, and ocean in Antarctica. Pogg, A., (1982, p.163-172, fre) 39-22
- Mechanical properties of multi-year sea ice. Phase I: Test results. Cox, G.F.N., et al. (1984, 105p., eng) 39-98
- Rheology of an ice floe field. Bratchie, I., (1984, p.23-28, eng) 39-167
- Cryospheric impacts of Soviet river diversion schemes. Holt, T., et al. (1984, p.61-68, eng) 39-174
- Sea-ice budget studies of Baffin Bay using a numerical ice model. Keliher, T.E., et al. (1984, p.75-80, eng) 39-176
- An atmospherically driven sea-ice drift model for the Bering Sea. Pease, C.H., et al. (1984, p.111-114, eng) 39-183
- Thermal expansion of saline ice. Cox, G.F.N., (1983, p.425-432, eng) 39-204
- Elastic constants of artificial and natural ice samples by Brillouin spectroscopy. Gammon, P.H., et al. (1983, p.433-460, eng) 39-205
- Microwave emission from High Arctic sea ice during freeze-up. Hollinger, J.P., et al. (1984, p.8104-8122, eng) 39-217
- Stable isotope analysis of a submarine ice cliff at Explorers Cove, McMurdo Sound, Antarctica. Stockton, W.L., et al. (1984, p.112-115, eng) 39-249
- Air-ice drag coefficients for first-year sea ice derived from aircraft measurements. Walter, B.A., et al. (1984, p.3550-3560, eng) 39-257
- Albedo of sea ice and solar irradiance. Grenfell, T.C., et al. (1984, p.3573-3580, eng) 39-258
- Optimum expulsion of brine from sea ice. Criminale, W.O., Jr., et al. (1984, p.3581-3585, eng) 39-259
- Synoptic sea ice-atmosphere interactions. Carleton, A.M., (1984, p.7245-7258, eng) 39-260
- Influence of light on development and growth of sea-ice microbial communities in McMurdo Sound. Sullivan, C.W., et al. (1983, p.177-179, eng) 39-308
- Studies of ice-algal communities in the Weddell Sea. Garrison, D.L., et al. (1983, p.179-181, eng) 39-309
- Investigation of the failure envelope of granular/discontinuous-columnar sea ice. Timco, G.W., et al. (1984, p.17-27, eng) 39-328
- Electromagnetic properties of sea ice. Morey, R.M., et al. (1984, p.53-75, eng) 39-332
- East Greenland Sea ice variability in large-scale model simulations. Walsh, J.E., et al. (1984, p.9-14, eng) 39-362
- Analysis of linear sea ice models with an ice margin. Lepparanta, M., (1984, p.31-36, eng) 39-365
- Markov model for sea ice trajectories. Colony, R., (1984, p.77-81, eng) 39-372

- Mean ice motion in the Arctic Ocean. Colony, R., (1984, p.91-94, eng) 39-374
- Distribution, abundance, and diversity of McMurdo Sound ice bacteria in 1980. Sullivan, C.W., et al. (1984, p.788-795, eng) 39-376
- Mechanical properties of multi-year sea ice. Testing techniques. Mellor, M., et al. (1984, 39p., eng) 39-382
- Measurement of shear strength of granular/discontinuous-columnar sea ice. Frederking, R.M.W., et al. (1984, p.215-220, eng) 39-398
- Static determination of Young's modulus in sea ice. Richter-Menge, J.A., (1984, p.283-286, eng) 39-406
- HF propagation over horizontally uniform first year sea ice. Klein, K., et al. (1983, 131p., eng) 39-533
- Snow and ice feedbacks prolong effects of nuclear winter. Robock, A., (1984, p.667-670, eng) 39-551
- Sea ice mechanics: a general overview. Croasdale, K., (1984, p.8-16, eng) 39-572
- Geotechnical issues affecting offshore development: an overview. Watt, B., (1984, p.17-21, eng) 39-573
- Arctic exploration and production structures. Rojansky, M., (1984, p.31-38, eng) 39-575
- Past and future developments in Arctic structures. Bruce, J., (1984, p.39-44, eng) 39-576
- Some problems of the dynamics of ice cover. Nikiforov, E.G., et al. (1984, p.1-16, eng) 39-682
- Sea ice structure of Greenland Sea. Simon, T., (1983, p.47-66, fre) 39-722
- Experimental studies of heat budget of very thin sea ice. Ishikawa, N., et al. (1984, p.109-119, jpn) 39-774
- Geographical aspects of the First International Polar Year, 1882-1883. Barr, W., (1983, p.463-484, eng) 39-859
- Temperature anomalies and their association with atmospheric circulation. Rogers, J.C., (1983, p.502-518, eng) 39-861
- Cyclone variability and relationship to sea ice extent. Howarth, D.A., (1983, p.519-537, eng) 39-862
- Vertical turbulent exchange in estuaries beneath ice cover, during high tides. Debol'skii, V.K., et al. (1984, p.279-290, rus) 39-890
- Estimate of the mean field of Arctic sea ice motion. Colony, R., et al. (1984, p.10.623-10.629, eng) 39-970
- Mechanical properties of sea ice: a status report. Weeks, W.F., et al. (1984, p.135-198, eng) 39-971
- Thermal metamorphism of antarctic sea ice. Nazintsev, I.U.L., et al. (1984, p.23-29, rus) 39-975
- Current, temperature and salinity beneath George VI Ice Shelf. Loynes, J., et al. (1984, p.1037-1055, eng) 39-1004
- Water masses and circulation in the region of Prydz Bay, Antarctica. Smith, N.R., et al. (1984, p.1121-1147, eng) 39-1005
- D/E Gzhiga operations off Hobbs Coast and organization of the new antarctic station Russkaya. Kornilov, N.A., et al. (1984, p.5-12, rus) 39-1006
- Handbook for sea ice analysis and forecasting. Stringer, W.J., et al. (1984, 324p., eng) 39-1047
- Ice force prediction based on strain-rate field. Bruen, F.J., et al. (1984, p.509-514, eng) 39-1052
- MIZEX 83 mesoscale sea ice dynamics: initial analysis. Hibler, W.D., III, et al. (1984, p.19-28, eng) 39-1126
- Antarctic sea ice conditions and cyclonic activity in winters 1973-1977. Carleton, A.M., (1983, p.1-22, eng) 39-1131
- Crystalline structure of urea ice sheets. Gow, A.J., (1984, 48p., eng) 39-1141
- Norwegian Polar Research Institute's 1984-85 Antarctic Expedition. (1984, p.39, eng) 39-1205
- Ice in the Beaufort Sea. Minon, R., comp. (1984, 78p., eng) 39-1226
- Application of a numerical sea ice model to the East Greenland area. Tucker, W.B., (1982, 40p., eng) 39-268
- Bering Strait sea ice and the Fairway Rock icefoot. Kovacs, A., et al. (1982, 40p., eng) 39-1273
- Sea ice brightness temperatures in the Weddell Sea. Murray, C.W., Jr., et al. (1984, 89p., eng) 39-1391
- Pelagic ecosystems of the southern ocean. Voronina, N.M., (1985, 206p., rus) 39-1421
- Potential CO₂-induced changes in West Antarctica. (1984, 236p., eng) 39-1498
- West antarctic sea ice. Ackley, S.F., (1984, p.88-95, eng) 39-1502
- Temperatures of West Antarctica compared to those of other antarctic regions. Lambert, D.W.S., (1984, p.116-139, eng) 39-1505
- AGCM simulations of the modern antarctic climate. Schlesinger, M.E., (1984, p.155-196, eng) 39-1507
- Modeling the oceanic environment of West Antarctica. Semtner, A.J., Jr., (1984, p.197-211, eng) 39-1508
- Voyages of discovery and research in the southern and antarctic regions during the years 1964-1981. Gordon, A., et al. (1981, p.25-29, eng) 39-1573
- Biology and structure of Weddell Sea ice. Dieckmann, G., et al. (1984, p.100-105, eng) 39-1606
- Macrobenthos of the lower Weddell Sea. Voss, J., (1984, p.106-115, ger) 39-1607
- Discussion: Electromagnetic properties of sea ice by R.M. Morey, A. Kovacs and G.F.N. Cox. Arcone, S.A., (1984, p.93-94, eng) 39-1626

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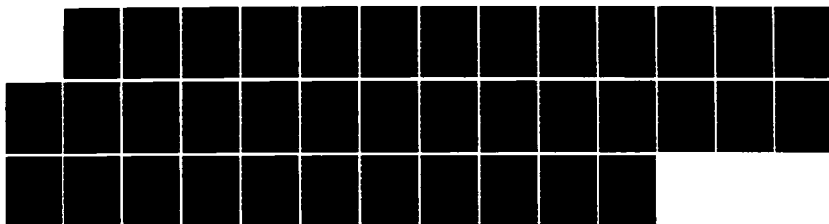
BIBLIOGRAPHY ON COLD REGIONS SCIENCE AND TECHNOLOGY
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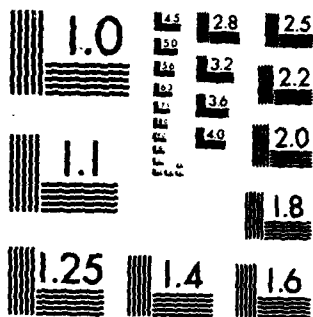
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- Authors' response to discussion on: Electromagnetic properties of sea ice. Morey, R.M., et al, (1984, p.95-97, eng) 39-1627
- Note on brine layer spacing of first-year sea ice. Nakawo, M., et al, (1984, p.193-206, eng) 39-1628
- Beaufort Sea ice variability. Ross, B., (1984, p.223-226, eng) 39-1678
- Interaction of Stokes' edge waves with near-shore ice formation. Shaw, R.P., et al, (1984, p.227-229, eng) 39-1679
- Field study of rough shore-fast sea ice. Hanley, T.O., (1984, p.230-234, eng) 39-1680
- Microwave images for sea-ice classification. Eppler, D.T., et al, (1984, p.45-53, eng) 39-1728
- On the differences in ablation seasons of Arctic and Antarctic sea ice. Andreas, E.L., et al, (1982, p.9, eng) 39-1728
- Marine phytoplankton and sea ice microalgae, Arctic Canada. Haiao, S.I.C., (1983, p.225-313, eng) 39-1742
- IAHR Ice Symposium, 7th, Hamburg, Aug. 27-31, 1984. (1984, 2 vols., eng) 39-1750
- Behaviour of sea ice plates under long term loading. Tinawi, R.A., et al, (1984, p.103-112, eng) 39-1760
- Iceberg collision with semi-submersible drilling unit. Kitami, E., et al, (1984, p.45-53, eng) 39-1791
- Determination of compressive strength of sea ice by using an ultrasonic pulse. Seeki, H., et al, (1984, p.339-348, eng) 39-1813
- Instrumented auger for vertical survey of ice "hardness". Harmon, D.J., et al, (1984, p.385-392, eng) 39-1819
- How waves break up inshore fast ice. Squire, V.A., (1984, p.281-285, eng) 39-1823
- Late winter chlorophyll *a* distributions in the Weddell Sea. Marrs, J., et al, (1984, p.197-205, eng) 39-1826
- Siliceous microfauna in waters beneath antarctic sea ice. Morley, J.J., et al, (1984, p.207-210, eng) 39-1827
- Antarctic adventure. Gerhardt, H., (1984, 284p., ger) 39-1828
- New approach to relief well drilling in the Canadian Beaufort Sea. Scott, W.A., et al, (1984, 45p., eng) 39-1852
- Caisson drilling and completion system. Hewlett, C., (1984, 17p. + 19 figs., eng) 39-1867
- Observations and analyses of sediment-laden sea ice. Osterkamp, T.E., et al, (1984, p.73-93, eng) 39-1871
- Beaufort Sea ice motions. Pritchard, R.S., (1984, p.95-113, eng) 39-1872
- Structure of first-year pressure ridge sails in the Prudhoe Bay region. Tucker, W.B., et al, (1984, p.115-135, eng) 39-1873
- Interaction of oil and arctic sea ice. Thomas, D.R., (1984, p.441-460, eng) 39-1884
- Ice-age Arctic ocean ice-shots: a possible direct link with insolation. Filion, R.H., (1982, p.223-240, eng) 39-1904
- Study of the M2 tide in the ice-covered Arctic Ocean. Kowalik, Z., (1981, p.201-223, eng) 39-2001
- Marginal ice zone experiment. (1984, p.22-27, eng) 39-2276
- Antarctic circumpolar ocean. Deacon, G., (1984, 180p., eng) 39-2279
- Model of sea-ice front instabilities. Killworth, P.D., et al, (1985, p.883-888, eng) 39-2358
- Sea ice motion as a drunkard's walk. Colony, R., et al, (1985, p.963-974, eng) 39-2399
- SAR imaging of waves in water and ice: evidence for velocity bunching. Lyzenga, D.R., et al, (1985, p.1031-1036, eng) 39-2360
- Ice thickness distribution in Davis Strait in February from submarine sonar profiles. Wadhams, P., et al, (1985, p.1069-1077, eng) 39-2361
- Centrifuge modelling of underwater permafrost and sea ice. Palmer, A.C., et al, (1985, p.65-69, eng) 39-2397
- Tensile strength of multi-year pressure ridge sea ice samples. Cox, G.F.N., et al, (1985, p.186-193, eng) 39-2412
- Structure, salinity and density of multi-year sea ice pressure ridges. Richter-Menge, J.A., et al, (1985, p.194-198, eng) 39-2413
- Confined strength and deformation of second-year columnar-grained sea ice in Mould Bay. Sinha, N.K., (1985, p.209-219, eng) 39-2415
- Sea ice characteristics in the nearshore environment. Hoch, D.M., et al, (1983, p.2(1)-2(15), eng) 39-2442
- Mechanical properties of sea ice—a compilation of available data. Lainey, L., et al, (1984, p.884-923, eng) 39-2495
- Eddy studies during MIZEX 83 by ship and remote sensing. Johannessen, O.M., et al, (1984, p.363-368, eng) 39-2539
- Natural ice piers. Dubrovnik, L.I., (1983, p.86-88, eng) 39-2597
- Scientific/operational support to the Soviet Antarctic Expedition studies. Romanov, A.A., (1983, p.89-93, eng) 39-2598
- On the Bering Sea ice edge front. Muench, R.D., et al, (1985, p.3185-3197, eng) 39-2735
- USSR/USA Bering Sea Experiment: Proceedings. Kondrat'ev, K.I.A., ed, (1982, 307p., eng) 39-2737
- Results of the Bering Sea Experiment. Kondrat'ev, K.I.A., et al, (1982, p.1-8, eng) 39-2738
- Synoptic ice dynamics and atmospheric circulation during the Bering Sea Experiment. Campbell, W.J., et al, (1982, p.158-179, eng) 39-2740
- Study of the elastic properties of sea ice in the Bering Sea. Gavrilov, V.P., et al, (1982, p.180-185, eng) 39-2741
- Physical and chemical properties of ice in the Bering Sea ice-edge zone. Morozov, P.T., (1982, p.186-190, eng) 39-2742
- Variation of ice morphology of selected mesoscale test areas during the Bering Sea Experiment. Gloersen, P., et al, (1982, p.191-214, eng) 39-2743
- Electrical properties of ice in the ice-edge zone of the Bering Sea at 10 GHz frequency. Bogorodskii, V.V., et al, (1982, p.215-230, eng) 39-2744
- Mesoscale description for the principal Bering Sea ice experiment. Rameiser, R.O., et al, (1982, p.231-266, eng) 39-2745
- Determination of underlying surface radiative temperature in the northern Bering Sea. Vinogradov, V.V., et al, (1982, p.267-277, eng) 39-2746
- Ice thickness distribution as inferred from infrared and microwave remote sensing during the Bering Sea Experiment. Gloersen, P., et al, (1982, p.278-288, eng) 39-2747
- Analysis of the results of measurements of ice cover characteristics (Option C). Rabinovich, I.U.I., et al, (1982, p.289-307, eng) 39-2748
- Variations in the sea ice edge in the Weddell Sea. Lange, M., (1985, p.26-31, ger) 39-2802
- Atmospheric circulation and formation of Weddell polynya. Lysakov, E.P., (1985, p.5-11, rus) 39-2891
- Present states and technical trends of unmanned underwater vehicles. Aoki, T., (1984, p.4-17, jpn) 39-3033
- Oil and gas technologies for the Arctic and deepwater. (1985, 227p., eng) 39-3087
- Sea ice microbial communities. 3. Seasonal abundance of microalgae and associated bacteria, McMurdo Sound, Antarctica. McGrath Grossi, S., et al, (1984, p.231-242, eng) 39-3088
- Sea ice microbial communities. 4. The effect of light perturbation on microalgae at the ice-seawater interface in McMurdo Sound, Antarctica. Palmisano, A.C., et al, (1985, p.37-45, eng) 39-3089
- Plankton in the ice of the Ross Sea. Smith, W.O., et al, (1985, p.163-166, eng) 39-3140
- Thermodynamic coupled ice-ocean model of the marginal ice zone. Röed, L.P., (1984, p.1921-1929, eng) 39-3143
- Model of phytoplankton in the marginal sea-ice zone of the Barents Sea. Slagstad, D., (1983, p.35-48, eng) 39-3154
- Ice and hydrographic effects on Barents Sea phytoplankton. Rey, F., et al, (1983, p.49-63, eng) 39-3155
- Sea ice algal communities in the Weddell Sea. Garrison, D.L., et al, (1983, p.103-122, eng) 39-3156
- Arctic spills in relationship to sea ice motion. Denner, W.W., et al, (1985, p.878-887, eng) 39-3228
- Sea-ice indentation accounting for strain-rate variation. Ting, S.-K., et al, (1985, p.931-941, eng) 39-3232
- Numerical simulation of Northern Hemisphere sea ice variability, 1951-1980. Walsh, J.E., et al, (1985, p.4847-4865, eng) 39-3431
- East Greenland polar front in autumn. Paquette, R.G., et al, (1985, p.4866-4882, eng) 39-3432
- Mesoscale eddies of the Arctic Ocean. Manley, T.O., et al, (1985, p.4911-4930, eng) 39-3433
- Comment on "Ice-induced vertical circulation in an Arctic fjord" by Edward P.W. Horne. Nashyba, S., et al, (1985, p.5011-5013, eng) 39-3434
- Active microwave measurements of Arctic sea ice under summer conditions. Onstott, R.G., et al, (1985, p.5035-5044, eng) 39-3436
- Spring/summer microwave signatures of sea ice. Grenfell, T.C., et al, (1985, p.5063-5074, eng) 39-3438
- Computer monitoring sea ice temperature using NOAA satellite data. Condal, A.R., et al, (1984, p.145-150, eng) 39-3440
- Exploration and production concepts and projects for Arctic offshore. Frederking, R.M.W., (1984, p.387-414, eng) 39-3507
- Ice cores data: climatic and environmental changes since the last glacial maximum. Lorius, C., (1983, p.37-49, fre) 39-3526
- Global climate system. (1985, 52p., eng) 39-3636
- Sea ice morphology and characteristics. Stringer, W.J., (1985, p.1-28, eng) 39-3638
- Marginal ice zone bibliography. Brennan, A., comp, (1985, p.29-187, eng) 39-3639
- Energy exchange over antarctic sea ice in the spring. Andreas, E.L., (1985, p.7199-7212, eng) 39-3640
- Problems of the Arctic and Antarctic, Vol.51, 1977. Treshnikov, A.F., ed, (1984, 184p., eng) 39-3643
- Short-range forecast of zones of ice compression caused by wind drift of ice. Ivchenko, V.O., et al, (1984, p.10-17, eng) 39-3645
- Calculating the redistribution of drifting ice. Maslovskii, M.I., (1984, p.18-24, eng) 39-3646
- Mathematical model for sea ice. Appel', I.L., et al, (1984, p.68-72, eng) 39-3652
- Determining wind stress on ice cover surface. Appel', I.L., (1984, p.73-77, eng) 39-3653
- Problems of the Arctic and the Antarctic, Vol.56. Treshnikov, A.F., ed, (1985, 159p., eng) 39-3658
- Conditions of regelation of sea ice in the Arctic. Gorbunov, I.U.A., et al, (1984, p.23-31, eng) 39-3660
- Rheological model of hummocking of ice cover. Kolesov, S.A., (1984, p.47-55, eng) 39-3662
- Technique of measurement of ice cover thickness in the Ob'-Taz inlet. Klimovich, V.M., et al, (1984, p.62-66, eng) 39-3664
- Problems of the Arctic and Antarctic, Vol.57, 1977. Treshnikov, A.F., ed, (1985, 142p., eng) 39-3667
- Problems of investigating sea ice. Gudkovich, Z.M., et al, (1984, p.57-65, eng) 39-3669
- Problems of large-scale ocean-atmosphere interaction. Nikolaev, I.U.V., et al, (1984, p.66-70, eng) 39-3670
- Current methods and results of investigations of the physics of ice and the ocean. Bogorodskii, V.V., (1984, p.71-86, eng) 39-3671
- Icebergs off south Victoria Land. Keys, J.R., (1985, p.1-7, eng) 39-3863
- Scott Polar Research Institute participation in MIZEX 1984. Wadhams, P., (1985, p.505-510, eng) 39-3868
- Thermodynamic sea ice model. Shine, K.P., et al, (1985, p.2243-2250, eng) 39-3998
- Sensitivity of a thermodynamic sea ice model. Ledley, T.S., (1985, p.2251-2260, eng) 39-3999
- Decay of sea ice in the North Water polynya. Ito, H., (1985, p.8102-8110, eng) 39-4008
- Experimental study of brine upward migration in sea ice. Kasai, T., et al, (1984, p.149-155, jpn) 39-4043
- Characteristics of snow cover on sea ice and formation of snow ice II. Takizawa, T., (1984, p.157-161, jpn) 39-4044
- Characteristics of fast sea ice collected near Barrow, Alaska. Kawamura, T., (1984, p.163-170, jpn) 39-4045
- Sea ice distribution
- On the Far Eastern meridians. Vol'mer, I.U., (1984, p.20-23, rus) 39-124
- Last reconnaissance. Popov, S., (1984, p.23-25, rus) 39-125
- Ice floe tracing of oceanic currents. Ginzburg, A.I., et al, (1984, p.481-484, rus) 39-149
- Peculiarities of year-to-year variations in water circulation in the Arctic Basin. Beliakov, L.N., et al, (1984, p.946-949, rus) 39-156
- Satellite techniques of studying ocean dynamics. Fedorov, K.N., (1984, p.3-13, rus) 39-157
- Calculating thermal emission of ice covers. Brekhovskikh, V.L., (1984, p.33-38, rus) 39-158
- Sea-ice and snow-cover data availability, needs and problems. Barry, R.G., et al, (1984, p.9-15, eng) 39-164
- Prospects for describing and monitoring from space the elements of the seasonal cycle of sea ice. Carney, F.D., (1984, p.37-42, eng) 39-169
- Introduction to a new sea-ice database. Knight, R.W., (1984, p.81-84, eng) 39-177
- Modeling the ocean in climate studies. Semtner, A.J., Jr., (1984, p.133-140, eng) 39-187
- Model simulation of 20 years of northern hemisphere sea-ice fluctuations. Walsh, J.E., et al, (1984, p.170-176, eng) 39-193
- Observing polar-ice variability. Zwally, H.J., (1984, p.191-198, eng) 39-197
- Concentration, growth and decay of seasonal sea ice cover. Comiso, J.C., et al, (1984, p.8081-8103, eng) 39-216
- Ice conditions off the north coast of Ellesmere Island, Spring 1980. Serson, H.V., (1983, 17p. + append., eng) 39-226
- Iceberg quantities, shapes, and sizes in western Ross and D'Urville Seas. Keys, J.R., (1983, p.125-127, eng) 39-306
- Optimum form of pulses in radar sounding of sea ice. Finkel'shtein, M.I., (1971, p.2179-2182, eng) 39-359
- Modeling the marginal ice zone. Hibler, W.D., III, ed, (1984, 99p., eng) 39-360
- Large-scale ice/ocean model for the marginal ice zone. Hibler, W.D., III, et al, (1984, p.1-7, eng) 39-361
- On the decay and retreat of the ice cover in the summer MIZ. Maykut, G.A., (1984, p.15-22, eng) 39-363
- Marginal ice zone modeling: Bering Sea viewpoint. Niebauer, H.J., et al, (1984, p.55-62, eng) 39-369
- Drag coefficient across the Antarctic marginal ice zone. Andreas, E.L., et al, (1984, p.63-71, eng) 39-378
- Mechanism for floe clustering in the marginal ice zone. Leppäranta, M., et al, (1984, p.73-76, eng) 39-371
- Sea ice state during the Weddell Sea Expedition. Ackley, S.F., et al, (1983, 6p. + 59p., eng) 39-380
- Sea ice data buoys in the Weddell Sea. Ackley, S.F., et al, (1984, 18p., eng) 39-384
- Beaufort Sea Meteorological and Oceanographic Program (BEAUMOP), 1978. (1979, 23p. + append., eng) 39-388
- Results of Soviet research in the southern ocean. Treshnikov, A.F., (1984, p.99-116, eng) 39-553
- Challenge of the Arctic offshore—an introduction. Gerwick, B.C., Jr., (1984, p.3-4, eng) 39-571
- Submersible systems for ecological research in polar regions. Ray, G.C., (1984, p.54-60, eng) 39-578

- Sea ice distribution (cont.)**
- Wave attenuation by floating ice. Popov, B.A., (1984, p.58-60, rus) 39-581
- Hydrocarbons in snow, ice, and water in the northern part of the Kara Sea. Dmitriev, F.A., et al, (1983, p.67-71, eng) 39-585
- Ice disruption by natural heat of underlying sea. Bogorodskii, V.V., et al, (1983, p.52-56, eng) 39-590
- Dynamics of ice cover. Timokhov, L.A., ed, (1984, 315p., eng) 39-681
- Sea ice topography of McClure Strait from submarine profiles. McLaren, A.S., et al, (1984, p.110-120, eng) 39-711
- Sea and ocean level fluctuations for 15,000 years. Kaplan, P.A., ed, (1982, 230p., rus) 39-754
- Arctic ocean ice and climate: perspectives on a century of polar research. Barry, R.G., (1983, p.485-501, eng) 39-860
- Offshore ice investigation, North Slope, Alaska: Final report. (1970, 53p. + appenda, eng) 39-898
- Long range forecasts of ice conditions in non-arctic seas. Karasak, A.I., et al, (1984, p.81-90, rus) 39-905
- Predicting the spatial distribution of dates of ice disappearance from northwestern seas of the USSR. Shernetevskia, O.I., (1984, p.91-100, rus) 39-906
- Statistical characteristics of dates of ice melting and the rate of ice disappearance in the Azov Sea. Kutsuruba, A.I., (1984, p.101-105, rus) 39-907
- Paleoceanography of the southern ocean. Burckle, L.H., (1984, p.241-261, eng) 39-954
- Navigation of Arctic polar submarines. Lyon, W.K., (1984, p.155-179, eng) 39-1019
- SEASAT SAR sea-ice imagery: summer melt to autumn freeze-up. Ketchum, R.D., Jr., (1984, p.533-544, eng) 39-1041
- Ionospheric observations of a GDR group during the 21st Soviet Antarctic Expedition 1975-1977. Germandt, H., (1979, p.1-56, ger) 39-1048
- Cosmo-geological methods of investigating the Arctic. Lopatin, B.G., ed, (1984, 108p., rus) 39-1107
- Combined use of geological and geophysical data, bathymetry, and satellite photographs in morphological-structural analyses of the western Arctic shelf. Zarkhidze, V.S., et al, (1984, p.84-93, rus) 39-1110
- Interpretation of anomalies on spaceborne photographs of Arctic Ocean bottom. Gurevich, V.I., et al, (1984, p.94-108, rus) 39-1111
- Air-ice-ocean interaction experiments in Arctic marginal ice zones. (1984, 56p., eng) 39-1123
- Problems of polar oceanology. Treshnikov, A.F., et al, (1984, p.38-53, rus) 39-1133
- Shore ice override and pileup features, Beaufort Sea. Kovacs, A., (1984, 28p. + map, eng) 39-1142
- Ice management to support the Kulluk drilling vessel. Hnatuk, J., et al, (1984, p.40-46, eng) 39-1145
- Marine environment. Foster, T.D., (1984, p.345-371, eng) 39-1187
- Arctic news record, Summer 1984, Vol.3 No.2. (1984, 62p., eng) 39-1203
- International Ice Patrol service, N. Atlantic Ocean, 1980. (1981, 73p., eng) 39-1227
- International Ice Patrol service, N. Atlantic Ocean, 1981. (1983, 47p., eng) 39-1228
- Remote-sensing satellite in polar orbit. (1983, 209p., eng) 39-1234
- Offshore Environment of east coast hydrocarbon development. (1980, var. p., eng) 39-1311
- Physical environment in which offshore development will take place. Allen, J., (1980, 10p., eng) 39-1312
- Seasonal variation of polar ice and snow boundaries. Beeva, I.M., et al, (1983, p.29-41, rus) 39-1358
- Physical conditions of fast ice formation in East Antarctica. (1979, p.1-15, eng) 39-1365
- API bulletin on planning, designing, and constructing fixed offshore structures in ice environments. (1982, 49p., eng) 39-1383
- Ice surveying. Strugatskii, V., (1984, 128p., rus) 39-1385
- Projecting future sea level rise. Hoffman, J.S., et al, (1983, 121p., eng) 39-1392
- Pipelines in the Beaufort Sea. Timmermans, W.J., (1982, p.113-120, 125-126, eng) 39-1477
- NOAA environment satellites. Steggall, N., (1982, p.34-35, eng) 39-1478
- Associated changes in west antarctic cyclonic activity and sea ice. Carleton, A.M., (1984, p.96-106, eng) 39-1503
- Precipitation regime of the west antarctic ice sheet. Bromwich, D.H., (1984, p.107-115, eng) 39-1504
- Sea ice variations around West Antarctica. Parkinson, C.L., (1984, p.222-236, eng) 39-1510
- Navigation methods for extremely dangerous ice conditions. Polunin, F., et al, (1984, p.28-33, rus) 39-1543
- Survey of the ice shelf edges in the eastern and southern Weddell Sea. Lange, M.A., (1984, p.53-56, eng) 39-1601
- "Marine" ice cap in south Beringia. Grosval'd, M.G., et al, (1984, p.128-146, eng) 39-1634
- Radar remote surveying for Arctic operations. Inkster, D.R., (1984, 18p., eng) 39-1858
- Alaskan Beaufort Sea: ecosystems and environments. Barnes, P.W., ed, (1984, 466p., eng) 39-1869
- Beaufort Sea: background, history, and perspective. Norton, D., et al, (1984, p.3-19, eng) 39-1870
- All-weather millimeter wave imagery in the marginal ice zone. Hollinger, J.P., et al, (1984, p.862-870, eng) 39-1909
- Good results, advanced fleet bring Gulf to Arctic forefront. Cottrill, A., (1984, p.24-31, eng) 39-1939
- Arctic report. (1985, p.44-61, eng) 39-1944
- International Ice Patrol service, N. Atlantic Ocean, 1983. (1984, 73p., eng) 39-1948
- German Arctic expedition, 1984. Augstein, E., et al, (1984, 192p., eng) 39-1949
- Ice conditions adjacent to the N. Atlantic Ocean, Dec. 1983-Feb. 1984. (1984, p.142-143, eng) 39-2002
- Thermodynamic model of seasonal evolution of the ocean-atmosphere system. Kagan, B.A., et al, (1984, p.201-204, eng) 39-2196
- Probability analysis and modeling of oceanic processes. Rozhkov, V.A., ed, (1984, 164p., rus) 39-2247
- Probability model of ice conditions on Arctic seas. Trapeznikov, I.U.A., et al, (1984, p.39-42, rus) 39-2248
- Remote sensing of terrain, water resources, sea ice and agriculture. Biggs, A.W., (1983, p.611-622, eng) 39-2257
- Sea ice movements from synthetic aperture radar. Rothrock, D.A., et al, (1981, 84p., eng) 39-2261
- International Ice Patrol Services, N. Atlantic Ocean, 1982. (1984, 30p. + appenda., eng) 39-2324
- Algorithm to measure sea ice concentration with microwave radiometers. Swift, C.T., et al, (1985, p.1087-1099, eng) 39-2363
- Antarctic ice charts, 1979-1980. (1981, 120p., eng) 39-2372
- Calculating sea ice thickness in the Arctic. Efimova, N.A., (1984, p.3-10, rus) 39-2378
- Determining physical properties of sea ice by remote sensing. Raizer, V.I.U., et al, (1985, p.23-31, rus) 39-2464
- Variability in ice-edge position in the North European Basin and the North Atlantic. Kogan, B.A., (1984, p.57-60, eng) 39-2465
- Iceberg prediction charts issued by the International Ice Patrol. McClelland, J.J., et al, (1983, p.12-14, eng) 39-2522
- Iceberg conditions offshore Greenland. Mangor, K., et al, (1983, p.4-20, eng) 39-2523
- Iceberg mapping in Lancaster Sound with synthetic aperture radar. Lowry, R.T., et al, (1983, p.3-9, eng) 39-2524
- Announcement of 1984 International Ice Patrol Service. Edwards, N.C., Jr., (1984, p.20-24, eng) 39-2530
- Remote sensing—from research towards operational use. (1984, 880p., 2 vols., eng) 39-2531
- SAR measurement of sea ice properties during MIZEX '83. Burns, B.A., et al, (1984, p.347-351, eng) 39-2536
- Active microwave measurements of sea ice in the marginal ice under summer conditions. Onstott, R.G., et al, (1984, p.359-363, eng) 39-2538
- Observation of variations in the composition of sea ice in the Greenland MIZ during early summer 1983 with the NIMBUS-7 SMMR. Gloersen, P., et al, (1984, p.373-378, eng) 39-2541
- Passive microwave characteristics of the Bering Sea ice cover during MIZEX-West. Cavaleri, D.J., et al, (1984, p.379-384, eng) 39-2542
- Surface based brightness temperatures of sea ice in the Bering and Greenland seas. Grenfell, T.C., (1984, p.385-389, eng) 39-2543
- Seasonal ice variation in the Barents Sea obtained from the NIMBUS-7 SMMR observations. Olausen, I., et al, (1984, p.391-393, eng) 39-2544
- Distribution of ice concentration. Multiyear and first year fraction in the Arctic Ocean derived from the NIMBUS-7 SMMR observations. Svendsen, E., et al, (1984, p.395-397, eng) 39-2545
- Was there a Panarctic ice sheet during the Pleistocene. Nesia, K.N., (1984, p.300-307, eng) 39-2549
- Sea ice variations in the Weddell Sea. Glode, P., et al, (1983, p.195-199, eng) 39-2612
- Analysis of the system coastal relief—shore ice—atmosphere. Stepanova, L.E., (1984, p.530-533, rus) 39-2753
- New broader classification of natural ice. Viturin, B.I., et al, (1984, p.93-104, rus) 39-2772
- Iceberg distributions in the Labrador Sea from SLAR imagery 1978-1980. Sutton, J., et al, (1983, p.17-20, eng) 39-2836
- Passive microwave remote sensing for sea ice research. (1984, 55p., eng) 39-2914
- Icebergs in the Strait of Belle Isle and approaches. (1982, 21p. + map, eng) 39-2919
- Sea ice of the southern ocean and navigation conditions. Romanov, A.A., (1984, 88p. + charts, rus) 39-3057
- Review of major scientific results from U.S. satellite altimetry and projections for the future. Apel, J.R., et al, (1984, p.1-16, eng) 39-3093
- Determination of packing density of sea ice from satellite photographs. Aleksandrov, V.I.U., et al, (1985, p.5-11, rus) 39-3104
- Why polar research. Hempel, G., (1984, p.577-584, ger) 39-3135
- Sensitivity of general circulation models. Hilla, T.S., (1983, p.181-192, eng) 39-3149
- Numerical modelling of Arctic sea ice: review and preliminary results. Van Ypersele, J.P., (1983, p.193-199, eng) 39-3150
- Arctic ice island and sea ice movements and mechanical properties. First quarterly report, Oct. 1-Dec. 31, 1983. Sackinger, W.M., et al, (1984, 28p. + illus., eng) 39-3151
- Arctic ice island and sea ice movements and mechanical properties. Second quarterly report, Jan. 1-March 31, 1984. Sackinger, W.M., et al, (1984, 175p. + 3 appenda., eng) 39-3152
- Civil engineering in the Arctic offshore. (1985, 1259p., eng) 39-3158
- Spatial analysis of ice charts. Veneziano, D., et al, (1985, p.386-394, eng) 39-3187
- HF CODAR Doppler transponder system. Crisman, R.D., et al, (1985, p.888-907, eng) 39-3229
- Deep water Bering Sea development concepts. Gunzelman, S.X., (1985, p.971-979, eng) 39-3236
- Engineering in the Alaskan offshore. Sackinger, W.M., (1985, p.44-49, eng) 39-3328
- Scientific research. Dyer, I., (1985, p.85-86, eng) 39-3332
- Sea ice management. Denner, W., (1985, p.89-92, eng) 39-3333
- My polar travels. Treshnikov, A.F., (1985, 478p., rus) 39-3348
- Ice sighting in Antarctica. Eberhard B., P., (1984, p.151-158, spe) 39-3350
- Calculating ship velocities in ice. Bogdanov, A.A., (1984, p.87-90, rus) 39-3385
- Antarctic marine environments and offshore oil. Keys, J.R., (1984, 168p., eng) 39-3425
- Summer Arctic sea ice character from satellite microwave data. Carsey, F.D., (1985, p.5015-5034, eng) 39-3435
- Processes and imagery of first-year fast sea ice during the melt season. Holt, B., et al, (1985, p.5045-5062, eng) 39-3437
- Canadian Symposium on Remote Sensing, 1983. (1984, 840p., eng) 39-3439
- Iceberg mapping in Lancaster Sound with synthetic aperture radar. Lowry, R.T., et al, (1984, p.239-246, eng) 39-3441
- Ice floe dimensions as calculated by transect measurements. Nazarenko, D., et al, (1984, p.247-252, eng) 39-3442
- Summer distribution of icebergs in NW Baffin Bay and Lancaster Sound. Pearson, D.E., (1984, p.253-260, eng) 39-3443
- Extraction of sea ice area using AVHRR data of NOAA satellite. Tanaka, S., et al, (1984, p.197-206, eng) 39-3462
- Discrimination of sea ice edge in the Antarctic, from NOAA MSU. Yamanouchi, T., et al, (1984, p.207-217, eng) 39-3463
- Course in general geophysics. Fundamentals of oceanology. Gusev, A.M., (1983, 247p., rus) 39-3525
- Comparison of antarctic sea ice data sets and inferred trends in ice area. Sturman, A.P., et al, (1985, p.275-280, eng) 39-3530
- Linear prediction of sea ice anomalies. Johnson, C.M., et al, (1985, p.5665-5675, eng) 39-3531
- Secular variations in cyclone frequencies near the Drake Passage, Southwest Atlantic. Mayes, P.R., (1985, p.5829-5839, eng) 39-3532
- Icy August -84. Biriukov, E., (1985, p.23, 28, rus) 39-3534
- Heat and moisture advection over antarctic sea ice. Andreas, E.L., (1985, p.736-746, eng) 39-3554
- Sound and the sea. Kliukin, I.I., (1984, 145p., rus) 39-3590
- Variations of global water exchange. Klige, R.K., (1985, 247p., rus) 39-3600
- Ice conditions in the Arctic. Sanderson, T.J.O., (1985, p.283-296, eng) 39-3675
- Visible and infrared sea ice mapping from satellites. Wannamaker, B., et al, (1985, p.1671-1675, eng) 39-3710
- Determination of loads on an icebreaker fender device. Makeev, A.N., et al, (1985, p.20-21, rus) 39-3746
- Diverting Soviet rivers: some possible repercussions for the Arctic Ocean. Cattle, H., (1985, p.485-498, eng) 39-3867
- Oceanographic cruise to the Greenland Sea, Aug-Sep. 1984. Bourke, R.H., et al, (1985, 28p. + charts, eng) 39-3896
- Ice characteristics in the shear zone, Beaufort Sea. Hoare, R.D., et al, (1980, 45p. + appenda., eng) 39-4023
- Sea level**
- Antarctica, icebergs and sea level. Maasey, G.H., (1978, p.281-284, nor) 39-789
- Studies of ocean level fluctuations during postglacial time. Kaplan, P.A., (1982, p.6-11, rus) 39-755

- Antarctic and Greenland ice sheets and the level of world ocean. Verbitskii, M.I.A., [1982, p.120-124, rus] 39-756
- Contribution of small glaciers to global sea level. Meier, M.F., [1984, p.1418-1421, eng] 39-1028
- Problems of polar oceanology. Treshnikov, A.P., et al., [1984, p.38-53, rus] 39-1133
- Projecting future sea level rise. Hoffman, J.S., et al., [1983, 121p., eng] 39-1392
- Potential CO₂-induced changes in West Antarctica. [1984, 236p., eng] 39-1498
- Late Tertiary shorelines on South Atlantic coasts. Nunn, P.D., [1984, p.185-210, eng] 39-1529
- Because a large part of the inland ice in West Antarctica lies on a bed far below sea level, the ice sheet is theoretically capable of an unstable and rapid shrinkage. Bentley, C.R., [1983, p.IV.3-IV.50, eng] 39-2277
- Interactions between ice shelves and earth. Lingie, C.S., et al., [1985, p.1100-1114, eng] 39-2364
- Estimates of future sea level rise. Hoffman, J.S., [1984, p.79-103, eng] 39-2992
- Review of major scientific results from U.S. satellite altimetry and projections for the future. Apel, J.R., et al., [1984, p.1-16, eng] 39-3093
- Greenhouse effect and nuclear energy. Okamoto, K., [1984, p.671-678, jpn] 39-3633
- Statistical synoptic method of forecasting level oscillations in the southeastern Laptev Sea. Vanda, I.U.A., [1984, p.25-32, eng] 39-3647
- Sea spray**
- Superstructure icing. Jeck, R.K., [1984, 16p., eng] 39-2921
- Grounded ice pads as drilling bases in the Beaufort Sea. Kemp, T.S., [1984, p.175-186, eng] 39-3480
- Rubble protection—an alternative for arctic exploration. Potter, R.E., et al., [1984, p.221-236, eng] 39-3483
- Sea transportation**
- See: Marine transportation
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- Sensitivity of late-glacial and Holocene climates to the combined effects of orbital parameter changes and lower boundary condition changes: "snapshot" simulations with a general circulation model for 18, 9 and 6 ka BP. Kutzbach, J.E., et al., [1984, p.85-87, eng] 39-178
- Modeling the ocean in climate studies. Semtner, A.J., Jr., [1984, p.133-140, eng] 39-187
- Transient temperature changes due to increasing CO₂ using simple models. Siegenthaler, U., et al., [1984, p.153-159, eng] 39-190
- Hydrocarbons in snow, ice, and water in the northern part of the Kara Sea. Dmitriev, F.A., et al., [1983, p.67-71, eng] 39-585
- Seawater. Park, P.K., [1972, p.245-264, eng] 39-809
- Transport from a vertical ice surface melting in saline water. Johnson, R.S., et al., [1984, p.1928-1932, eng] 39-885
- Heat content in the surface layers of the Northern Hemisphere oceans. Laevastu, T., [1984, p.107-123, eng] 39-2052
- Anthropogenic chlorofluoromethanes in the central Arctic Ocean. Wallace, D.W.R., et al., [1985, p.1155-1166, eng] 39-2366
- Design of Arctic waterflood intake structures. Cox, J.C., et al., [1985, p.135-142, eng] 39-2406
- Results of the Bering Sea Experiment. Kondrat'ev, K.I.A., et al., [1982, p.1-8, eng] 39-2738
- Arctic marine acoustics. Kutschale, H.W., [1984, 229p., eng] 39-2831
- Comment on "Ice-induced vertical circulation in an Arctic fjord" by Edward P.W. Horne. Neshyba, S., et al., [1985, p.5011-5013, eng] 39-3434
- Ocean-atmosphere systems modes of operation. Broecker, W.S., et al., [1985, p.21-26, eng] 39-3890
- Oscillations in the concentration of artificial radionuclides in the waters of the Baltic and North seas in 1977-1982. Styro, D.B., et al., [1985, p.835-838, eng] 39-3916
- Sea water freezing**
- Stable isotope analysis of a submarine ice cliff at Explorers Cove, McMurdo Sound, Antarctica. Stockton, W.L., et al., [1984, p.112-115, eng] 39-249
- World's coldest seawater. Foldvik, A., et al., [1978, p.271-275, norj] 39-707
- Water masses and circulation in the region of Prydz Bay, Antarctica. Smith, N.R., et al., [1984, p.1121-1147, eng] 39-1005
- Voyages of discovery and research in the southern and antarctic regions during the years 1964-1981. Gordon, A., et al., [1981, p.25-29, eng] 39-1573
- Ice formation and distribution in the Ob' and Taz Bays. Vorob'ev, V.N., et al., [1984, p.111-120, rus] 39-2021
- Building up ice masses from sea water. Kamenskii, R.M., et al., [1984, p.219-223, rus] 39-2795
- Course in general geophysics. Fundamentals of oceanology. Gusev, A.M., [1983, 247p., rus] 39-3525
- Sea waves**
- See: Ocean waves
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- Ablation and heat balance of the Yukikabe snow patch in the Daisetsu mountains, Hokkaido, Japan. Sato, A., et al., [1984, p.122-126, eng] 39-185
- Seasonal freeze thaw**
- Heat transfer between pipelines and permafrost. Gokhman, M.R., [1984, p.243-247, eng] 39-152
- Blast waves in frozen soils. Liakhov, G.M., et al., [1984, p.811-815, eng] 39-153
- Hydraulic tests of oil pipelines in freezing weather. Furman, A.V., [1984, p.79-85, rus] 39-424
- Mathematical modeling of freezing and thawing of rocks. Bigeeva, R.B., [1984, p.150-155, rus] 39-853
- Thermal regime of subgrades during their freezing and thawing. Ashpiz, E.S., [1982, p.10-15, rus] 39-2519
- Statistical models of evaporation processes in forest biogeocoenoses. Belotserkovskaya, O.A., et al., [1984, p.96-99, rus] 39-2589
- Summer wetlands in the frozen north. Everett, K.R., [1983, p.510-515, eng] 39-3002
- Cycle of chemical elements in taiga landscapes of southern Yakutia. Konorovskii, A.K., et al., [1984, p.49-60, rus] 39-3024
- Blasting seasonally frozen clayey soils. Frash, G.B., [1984, p.144-148, rus] 39-3399
- Polygons in the seasonally freezing area of Rio Gallegos, S. Patagonia. Bustos, R., et al., [1984, p.39-46, spa] 39-3942
- Mendoza's mountain soils: geocryogenic and edaphic aspects. Regairaz, M.C., [1984, p.162-173, spa] 39-3948
- Adfreezing forces to a pipe within freezing round. Fukuda, M., et al., [1984, p.185-187, jpn] 39-4048
- See also: Freeze thaw cycles
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- Seasonal variations**
- Seasonal variations in high-altitude vegetation of Tien Shan. Lynov, I.U.S., [1984, p.86-96, rus] 39-672
- Sea ice variations around West Antarctica. Parkinson, C.L., [1984, p.222-236, eng] 39-1510
- Beaufort Sea ice variability. Ross, B., [1984, p.223-226, eng] 39-1678
- Passive microwave remote sensing for sea ice research. [1984, 55p., eng] 39-2914
- Numerical simulation of Northern Hemisphere sea ice variability, 1951-1980. Walsh, J.E., et al., [1985, p.4847-4865, eng] 39-3431
- Summer Arctic sea ice character from satellite microwave data. Carney, F.D., [1983, p.5015-5034, eng] 39-3435
- Active microwave measurements of Arctic sea ice under summer conditions. Onstott, R.G., et al., [1985, p.5035-5044, eng] 39-3436
- Processes and imagery of first-year fast sea ice during the melt season. Holt, B., et al., [1985, p.5045-5062, eng] 39-3437
- Spring/summer microwave signatures of sea ice. Grenfell, T.C., et al., [1985, p.5063-5074, eng] 39-3438
- Sediment transport**
- Low-temperature effects on flow in sand-bed streams. Hong, R., et al., [1983, p.128-138, chi] 39-275
- Suspended sediments in a proglacial stream. Gurnell, A.M., et al., [1984, p.93-106, eng] 39-608
- Contemporary eolian sediments in the alpine zone, Colorado Front Range. Thorn, C.E., et al., [1980, p.162-171, eng] 39-657
- Effects of snow jams on fluvial activities in the High Arctic. Woo, M., et al., [1981, p.83-98, eng] 39-658
- Subsacial sediment flow of the Matanuska Glacier, Alaska. Lawson, D.E., [1982, p.279-300, eng] 39-765
- Techniques for investigating meltwater runoff and erosion. Ferguson, R.I., et al., [1984, p.374-382, eng] 39-2313
- Sediment load of the Hunza River. Ferguson, R.I., [1984, p.581-598, eng] 39-2323
- Stratified nature of deposits in streamlined glacial landforms on southern Victoria Island, District of Franklin. Sharpe, D.R., [1985, p.365-371, eng] 39-2331
- Turbidity currents in a glacial lake. Weirich, F.H., [1984, p.384-387, eng] 39-2479
- Study of sediment transport in Norwegian glacial rivers. 1969. Ostrem, G., et al., [1973, 46p., eng] 39-2634
- Simulation of surface water transport. Guymon, G.L., [1972, 105p., eng] 39-2636
- Sediment discharge in the Susitna River basin, Alaska, 1982-1984. Knott, J.M., et al., [1985, 68p., eng] 39-3056
- Use of remote sensing for the U.S. Army Corps of Engineers dredging program. McKim, H.L., et al., [1985, p.1141-1150, eng] 39-3707
- Suspended sediments in Cook Inlet and Shelikof Strait, Alaska. Feely, R.A., et al., [1982, 28p., eng] 39-3955
- Sedimentation**
- Surface sediment in the western Barents Sea. Elverhøi, A., et al., [1983, 22p., map, eng] 39-227
- Characteristic features of glacial sediments. Easterbrook, D.J., [1982, p.1-9, eng] 39-230
- Sedimentary processes and buried ice phenomena in the pro-glacial areas of Spitsbergen glaciers. Hambrey, M.J., [1984, p.116-119, eng] 39-250
- International Symposium on River Sedimentation, 2nd, 1983. [1983, 1158p., chi] 39-274
- Sediment characteristics of the lagoons of the Alaskan Beaufort Sea coast and evolution of Simpson Lagoon. Naidu, A.S., et al., [1984, p.275-292, eng] 39-1880
- Rate of sediment settling from glacial mudflows. Timorshin, N.M., [1984, p.118-122, rus] 39-2254
- Arctic sea water intake for sedimentation and wave effects. Cox, J.C., et al., [1985, p.714-722, eng] 39-3217
- Guide to Late Pleistocene and Holocene deposits of Turnagain Arm. Bartsch-Winkler, S., et al., [1984, 70p. + 2 maps, eng] 39-4027
- Sediments**
- Englacial deltaic sediments as evidence for basal freezing and marginal shearing, Leirbreen southern Norway. Harris, C., et al., [1984, p.30-34, eng] 39-239
- Ice layers in the extrusive and sedimentary rocks of the Kamchatka Peninsula. Zhurav, S.P., [1984, p.144-149, rus] 39-852
- Geological and geophysical surveys in the Ross Sea. Sato, S., et al., [1984, p.66-92, eng] 39-1090
- Direct filtration of streamborne glacial silt. Ross, M.D., et al., [1982, 17p., eng] 39-1272
- Macrobenthos of the lower Weddell Sea. Voss, J., [1984, p.106-115, ger] 39-1607
- Stratigraphy and glacial-marine sediments of the Arctic and southern oceans. Clark, D.L., et al., [1980, 57p., eng] 39-2067
- Effects of freeze thaw cycles on structure of loamy sediments. Pissart, A., [1984, p.553-565, eng] 39-2086
- Structure of loamy sediments due to freeze thaw cycles. Van Vliet-Lanoë, B., et al., [1984, p.553-565, eng] 39-2492
- Portable shelter for use in collecting sea bottom sediments. Clark, N., [1983, p.208-209, eng] 39-2615
- Thermogenic hydrocarbons in Bransfield Strait sediments. Whittier, M.J., et al., [1985, p.87-90, eng] 39-3127
- Periglacial processes of the Huanggangliang region, China, Late Pleistocene. Xie, Y., [1984, p.69-78, chi] 39-3322
- Petrogenic gas forms a pockmark field in the Barents Sea. Solheim, A., et al., [1985, p.11-19, eng] 39-3885
- See also: Bottom sediment; Lacustrine deposits; Marine deposits; Quaternary deposits; Suspended sediments
- Seepage**
- Hydrogeological forecasts for construction under severe climatic conditions. Sotnikov, A.B., [1984, 81p., rus] 39-891
- Seepage and thermal regime of concrete-earth junctions. Gorokhov, E.N., et al., [1984, p.45-46, rus] 39-1595
- Horizontal infiltration of water in porous materials. Nakano, Y., [1982, p.156-166, eng] 39-1937
- Infiltration of a frozen Palouse silt loam soil under simulated rainfall. Lee, H.W., [1983, 125p., eng] 39-2058
- Snowmelt infiltration in frozen Prairie soils. Granger, R.J., et al., [1984, p.669-677, eng] 39-2087
- Infiltration in unsaturated frozen soil. Engelmark, H., [1984, p.243-252, eng] 39-3090
- Time lag of meltwater percolation through a snow cover. Kojima, K., et al., [1984, p.181-184, jpn] 39-4047
- Seismic prospecting**
- Analysis of geophysical data from Dome C and the Ross Ice Shelf. Bentley, C.R., et al., [1983, p.104-105, eng] 39-5
- Seismic reflection**
- Ice-shelf densities from a comparison of radio echo and seismic soundings. Doake, C.S.M., [1984, p.47-50, eng] 39-171
- Geophysical and glaciological investigations near Filchner and GVN Stations. Thyssen, F., et al., [1984, p.64-70, ger] 39-1603
- Marine geophysical work during Antarctic II/4. Miller, H., et al., [1984, p.116-128, eng] 39-1608
- Acquisition and processing of high resolution reflection seismic data from permafrost affected areas of the Canadian part of the Beaufort Sea. Pooley, D.F., et al., [1985, p.491-498, eng] 39-2332
- Seismic refraction**
- Seismic site characterization techniques. Münster Nord, FRG. Albert, D.G., [1982, 33p., eng] 39-1269
- Marine geophysical work during Antarctic II/4. Miller, H., et al., [1984, p.116-128, eng] 39-1608
- Subsea permafrost in Harrison Bay, Alaska. Neave, K.G., et al., [1982, 62p., eng] 39-1727
- Seismic surveys**
- Surveys of earthquake areas in permafrost zones. Pavlov, O.V., et al., [1982, p.63-67, rus] 39-33
- Seismic surveys in the BAM construction area. Solonenko, V.P., et al., [1982, p.68-76, rus] 39-34
- Seismic properties of perennially frozen ground. Ivanov, F.I., [1984, p.32-34, rus] 39-413
- Seismic studies on bridge-construction sites in permafrost areas. Tikhonov, V.V., et al., [1984, p.34-37, rus] 39-414
- Seismic profiles of Amundsen and Lützow-Holm Bays, 1982. Moriawaki, K., [1984, p.61-65, eng] 39-1089
- Geological and geophysical surveys in the Ross Sea. Sato, S., et al., [1984, p.66-92, eng] 39-1090
- Subsea permafrost in Harrison Bay, Alaska. Neave, K.G., et al., [1982, 62p., eng] 39-1727
- Acoustic velocities of nearshore materials in the Alaskan Beaufort and Chukchi Seas. Morack, J.L., et al., [1984, p.259-274, eng] 39-1879
- Blasting frozen rocks on construction sites. Drogovetko, I.Z., et al., [1984, p.125-130, rus] 39-3395

Seismic velocity

- Seismic properties of perennally frozen ground. Ivanov, F.I., [1984, p.32-34, rus] 39-413
- Seismic studies on bridge-construction sites in permafrost areas. Tikhonov, V.V., et al, [1984, p.34-37, rus] 39-414

- Seismic effect of detonating explosives in permafrost. Glotzman, L.M., et al, [1984, p.40-45, rus] 39-961
- Determining distribution patterns of ice-bonded permafrost in the U.S. Beaufort Sea from seismic data. Neave, K.G., et al, [1984, p.237-258, eng] 39-1878
- Blasting frozen rocks on construction sites. Drogovetko, I.Z., et al, [1984, p.125-130, rus] 39-3395

Sedimentology

- Observations of volcanic tremor at Mount St. Helens volcano. Fehler, M., [1984, p.3476-3484, eng] 39-325

See also: Earthquakes

Self diffusion

- Theoretical basis for obtaining friable ice. Smorygin, G.I., [1984, 157p., rus] 39-1154

Semiconductors (materials)

- Using electronic measurement equipment in winter. Atkina, R.T., [1981, 7p., eng] 39-2092

Settlement (structural)

- Foundations built on loess. Anan'ev, V.P., [1984, p.3-8, rus] 39-582
- Difficulties in construction on sagging soils. Gol'dstein, M.N., [1984, p.9-10, rus] 39-583
- Some peculiarities of loess soil wetting. Larionov, A.K., et al, [1984, p.11-23, rus] 39-584
- Thermal settlement in the Central Yakutia plain. Bazylev, V.A., [1984, p.149-150, rus] 39-921
- Failures of buildings built on water-saturated clays. Stroganov, A.S., [1984, p.6-11, eng] 39-1074
- Clay soil compression beneath plates. Dalmatov, B.I., et al, [1984, p.37-42, eng] 39-1078
- Comparison of actual loess deformation to forecast values. Dikovskii, A.L., [1984, p.12-18, rus] 39-1325
- Quantitative estimation of loess sagging. Minkov, M., [1984, p.58-65, rus] 39-1438
- Identifying damages of airport pavements. Smirnov, E.N., et al, [1984, 152p., rus] 39-1554
- Performance of the trans-Alaska oil pipeline. Johnson, E.R., [1984, p.109-111, eng] 39-2139
- Impact of installations for the extraction and transport of gas on permafrost conditions in western Siberia and comprehensive engineering geology forecasting of resultant changes. Zakharov, I.U.P., et al, [1984, p.173-176, eng] 39-2151
- Investigations into the compaction of thawing earth materials. Pakhomova, G.M., [1984, p.278-281, eng] 39-2172

- Analog methods for determining long-term deformability of permafrost materials. Roman, L.T., [1984, p.290-294, eng] 39-2175

- Restraint of frost heaving and thaw settlement of soil by cement addition. Ohrai, T., et al, [1984, p.189-197, jpn] 39-2476

- Experimental observations of differential heaving and thaw settlement around a chilled pipeline. Dallimore, S.R., et al, [1984, p.5-17, eng] 39-3839

- Frost heave and thaw settlement test facilities. Carlson, L.E., [1984, p.43-47, eng] 39-3846

- Geotechnical features of Fur Seal Island design. Luscher, U., et al, [1985, p.39-47, eng] 39-3161

- Route thaw settlement: a probabilistic evaluation. Vita, C.L., [1985, p.439-446, eng] 39-3193

- Pipeline hardware: special designs for Arctic projects. Key, J.M., [1985, p.801-811, eng] 39-3225

- Strength-deformation properties of Arctic silt. Ladd, C.C., et al, [1985, p.820-829, eng] 39-3227

- Thaw settlement as a result of permafrost deterioration. Sargent, D.R., [1985, p.1075-1083, eng] 39-3243

- Creep of a strip footing on ice-rich permafrost. Sayles, F.H., [1985, p.29-51, eng] 39-3561

- Daiton Highway: characterization of foundation soils. Vita, C.L., et al, [1984, 30p. + append., eng] 39-3904

See also: Frozen ground settling

Sewage

- "Wall in the ground" at subzero temperatures. Iakimov, E.A., [1984, p.15-16, rus] 39-3939

- Social and housing conditions in the Yamburg gas field. Asenko, V.I., [1985, p.11, rus] 39-2029

Sewage disposal

See: Waste disposal

Sewage treatment

- Development of a rational design procedure for overland flow systems. Martel, C.J., et al, [1982, 29p., eng] 39-1262

- Waste disposal at Australian antarctic stations. Holmes, I.E.B., et al, [1984, p.308-315, eng] 39-2246

- Direct conversion of peat to liquid fuel: Alaska's resource and opportunity. Molton, P.M., et al, [1984, p.14-19, eng] 39-2761

See also: Waste treatment

Seymour Island

- Presence of a salty sheet trapped under the permafrost of Seymour Island, northeast of the Antarctic Peninsula. Fournier, H., et al, [1984, p.83-85, spa] 39-3944

Shaft sinking

- Improving shaft sinking by artificial freezing of ground. Shparber, P.A., [1984, p.6-8, rus] 39-822

- Using liquid nitrogen in artificial freezing of rocks. Vial'tsev, M.M., et al, [1984, p.21-22, rus] 39-823

- Stresses in artificially frozen zones of mine shafts. Kazikaev, D.M., et al, [1984, p.11-13, rus] 39-824

- Rapid method of determining thawing depth of rocks. Umantsev, R.F., et al, [1984, p.15, rus] 39-2752

- Basic trends in using explosives in mining frozen placers. Egupov, A.A., [1984, p.136-140, rus] 39-3397

- Artificial ground freezing in civil engineering. Harris, J.S., [1984, p.1-6, eng] 39-3407

- Control of ground and groundwater for shaft sinking. Ferguson, G.A., et al, [1984, p.7-12, eng] 39-3408

- Ice wall design in shaft sinking. Jeffrey, R.I., [1984, p.29-24, eng] 39-3411

- Freeze wall strength and stability—whose theory do you believe. Auld, F.A., [1984, p.35-42, eng] 39-3412

- Role of field observations in bridging the gap between theory and practice. Jones, R.H., [1984, p.49-54, eng] 39-3414

Shafts (excavations)

See: Mine shafts

Shattering

See: Frost shattering

Shear flow

- Flow behavior of basal ice as related to modeling considerations. Shoji, H., et al, [1984, p.141-148, eng] 39-188

Shear modulus

- Behaviour of sea ice plates under long term loading. Tinawi, K.A., et al, [1984, p.103-112, eng] 39-1760

Shear properties

- Englacial deltaic sediments as evidence for basal freezing and marginal shearing. Leirbreen southern Norway. Harris, C., et al, [1984, p.30-34, eng] 39-239

- Rigby stage with remote computer compatible output. Morgan, V.I., et al, [1984, p.89-92, eng] 39-1625

- Mitigative and remedial measures for chilled pipelines in discontinuous permafrost. Sayles, F.H., [1984, p.61-62, eng] 39-3049

Shear strain

- Deformation in the vicinity of ice divides. Raymond, C.F., [1983, p.357-373, eng] 39-198

- Laboratory studies on relationships between ice crystal size and flow rate. Jacka, T.H., [1984, p.31-42, eng] 39-1620

- Strength-deformation properties of Arctic silt. Ladd, C.C., et al, [1985, p.820-829, eng] 39-3227

- Failure criteria for sea ice and loads resulting from crushing. Coon, M.D., et al, [1984, p.1-16, eng] 39-3466

Shear strength

- Roughness criterion for steel piles in frozen sand. Alwahhab, M.R.M., et al, [1984, p.1288-1291, eng] 39-112

- Experience with shear frames. Peria, R., et al, [1983, p.485-491, eng] 39-208

- Measurement of shear strength of granular/discontinuous-columnar sea ice. Frederick, R.M.W., et al, [1984, p.215-220, eng] 39-398

- Vane shear strength of snow. 1. Effect of vane angular velocity. Kuriyama, H., [1984, p.101-108, jpn] 39-773

- Shear strength and adhesion properties of saline ice. Hänninen, J., et al, [1984, 35p., fin] 39-1022

- Geotechnical and engineering significance of subsea permafrost. Hayley, D.W., [1984, p.93-95, eng] 39-2135

- Effective deepwater drilling/production structure for the Beaufort Sea. Padron, D.V., et al, [1985, p.90-97, eng] 39-2400

- Freeze-thaw and consolidation effects on strength of a wet silt loam. Formanek, G.E., et al, [1984, p.1749-1752, eng] 39-2672

- Response of piles and casings to horizontal free-field soil displacements. Byrne, P.M., et al, [1984, p.720-728, eng] 39-3035

- Geotechnical features of Fur Seal Island design. Luscher, U., et al, [1985, p.39-47, eng] 39-3161

- Shear strength in the zone of freezing in saline soils. Chamberlain, E.J., [1985, p.566-574, eng] 39-3205

- Arctic drilling and production platform concept. Engel, D.J., et al, [1985, p.1131-1147, eng] 39-3248

- Geotechnical design of caisson islands. Been, K., et al, [1985, p.1206-1214, eng] 39-3253

- Concrete shell panels in simulating bergy-bit impact. Arockasamy, M., et al, [1984, p.127-138, eng] 39-3476

- Snow stability index. Conway, H., et al, [1984, p.321-327, eng] 39-3782

- Shear strength characteristics of frozen coarse granular debris. Nickling, W.G., et al, [1984, p.348-357, eng] 39-3786

Shear stress

- Improved method for predicting tracked vehicle performance. Wong, J.Y., [1984, p.35-43, eng] 39-88

- Stability of sheet water flow under a glacier. Weertman, J., et al, [1983, p.374-382, eng] 39-199

- Ice plug anchor—development of a new anchor for use in snow and ice. Maidl, B., et al, [1985, p.442-450, eng] 39-2384

- Laboratory tests of a motorized snow surface hardness gage. Martinelli, M., Jr., et al, [1985, p.133-140, eng] 39-2356

- Length-thermal stress relations for composite bridges. Emanuel, J.H., et al, [1985, p.768-804, eng] 39-3315

- Basic investigations on mush ice. Hellmann, J.-H., [1984, p.37-55, eng] 39-3469

- Unsolved problems of creep. Weertman, J., [1985, p.227, eng] 39-3886

- Flow law of ice in polar ice sheets. Doake, C.S.M., et al, [1985, p.255-257, eng] 39-3887

Shelf ice

See: Ice shelves

Shelterbelts

See: Forest strips

Shelters

- Survival in Antarctica, 1984 edition. [1984, 101p., eng] 39-254

- Winter shelters. [1984, 40p. + 80 slides, eng] 39-2549

- Notes on field equipment used by the New Zealand Antarctic Research Programme. Monteath, C., [1983, p.552-556, eng] 39-2629

- Development of mobile field units by British Antarctic Survey. Chinn, E.J., [1983, p.557-572, eng] 39-2630

See also: Portable shelters

Ship icing

- Ice management in the Labrador Sea. Miller, J.D., et al, [1984, p.45-49, eng] 39-738

- Overview of marine icing research. Lozowski, E.P., et al, [1985, p.6-15, eng] 39-2389

- Test of a horizontal heat pipe deicing panel for use on marine vessels. Matsuda, S., et al, [1982, p.3-10, eng] 39-2908

- Superstructure icing. Jeck, R.K., [1984, 16p., eng] 39-2921

- Ship frame damage in ice navigation. Karavanov, S.B., [1984, p.80-84, rus] 39-3384

- Ice protection equipment for port and ship repair yards. Ivanov, L.V., et al, [1984, p.89-97, eng] 39-3473

- Short-range forecasting of ship icing. Tavetukhin, A.S., [1984, p.1-9, eng] 39-3644

- Device for deicing surfaces of thin-walled structures. Levin, I.A., et al, [1970, 6 col. + figs., eng] 39-3840

- Deicing device. Kline, R.O., [1971, 8 col. + figs., eng] 39-3843

- Electric system of a device for deicing the surface of thinwalled structures. Levin, I.A., [1982, 4 col. + figs., eng] 39-3845

- Deicing composition. Mitkevich, E.M., et al, [1982, 4 col., rus] 39-3972

Ships

- Accumulation of deviations, due to errors in correction-signal performance of gyrocompasses in high latitude navigation. Filin, V.M., [1980, p.43-57, rus] 39-748

- United States polar icebreaker requirements study. [1984, c200 leaves, eng] 39-929

- Compilation of diagrams for the performance of a fleet in the Arctic. Aleksandrovich, A.V., et al, [1983, p.51-54, rus] 39-967

- Predicting engine failures in ice-navigating ships. Lakhman, V.V., et al, [1984, p.18-21, rus] 39-1001

- Construction of concrete ships and floating docks. Mishutin, V.A., [1984, p.36-38, rus] 39-1002

- Stages in the development of Soviet icebreaking cargo ships. Andrienko, V.G., et al, [1984, p.52-53, rus] 39-1003

- Ship strength and winter navigation. [1984, 259p., eng] 39-1095

- Rational approach to ship strength problems. Varsta, P., [1984, p.9-30, eng] 39-1096

- Ship strength analysis and strength criteria. Kujala, P., et al, [1984, p.123-147, eng] 39-1097

- Special features of multihull vessels, design concepts of a Catamaran. Terje, P., [1984, p.149-156, eng] 39-1098

- Special features of multihull vessels. Valanto, P., [1984, p.157-176, eng] 39-1099

- Determination of ice loads semiempirically. Varsta, P., [1984, p.177-182, eng] 39-1100

- Level ice resistance—ideas stemming from the model and the full scale tests. Nyman, T., et al, [1984, p.183-200, eng] 39-1101

- Ice loads of propulsion machinery. Jussila, M., [1984, p.201-212, eng] 39-1102

- Measurements of ice loads. Vuorio, J., [1984, p.213-229, eng] 39-1103

- Up-dating of the Finnish-Swedish ice class rules. Edelmann, G., [1984, p.231-245, eng] 39-1104

- New fine-grain model-ice of Wärtsilä Arctic Research Centre. Enkvist, E., [1984, p.247-259, eng] 39-1105

- Low friction hull coatings for ships. Tuukkanen, K., et al, [1983, p.72-80, eng] 39-1316

- Ultimate strength of side grillage structures of ice-strengthened ships. Benenmon, A.M., et al, [1984, p.5-8, rus] 39-1842

- River passenger hovercraft Luch. Zoroastrov, V.K., et al, [1984, p.3-4, rus] 39-1843

- Some characteristics of welds in steels used in Arctic offshore structures and ships. Blakesley, P., et al. (1984, 16p., + figs., eng) 39-1850
- Some aspects of the Naval Architecture of Arctic structures and vessels. Hatfield, P.S., (1984, 7p., eng) 39-1851
- Operation, testing and design of vessels in the Canadian Beaufort Sea. Churcher, A.C., et al. (1984, 34p., eng) 39-1865
- Underwater support capabilities—Arctic marine operations. English, J.G., (1984, 10p., eng) 39-1866
- Survival systems in Arctic conditions. Seligman, B., (1984, 6p., eng) 39-1868
- Frame structure of inland- and combined-navigation ships. Protodopov, V.B., et al. (1984, 375p. (Pertinent p. 242-246 and 293-301), rus) 39-2197
- Advanced types of ships and their seafaring qualities. Panin, I.U.I., ed. (1983, 137p., rus) 39-2200
- Multipurpose feeder-lighters for the Arctic. Miroshnicenko, I.P., et al. (1983, p.3-15, rus) 39-2201
- Designing metallic frames for ice-navigating ships. Karvanov, S.B., (1983, p.89-95, rus) 39-2202
- Modeling ship movement in ice. Tsot, L.G., et al. (1983, p.95-99, rus) 39-2203
- Air cushion ships and floats for ice navigation. Khmurin, V.M., (1983, p.106-110, rus) 39-2204
- Architectural and structural design of submarine transport vessels. Evdokimov, G.P., (1983, p.110-118, rus) 39-2205
- Fracture toughness evaluation of steels for Arctic marine use. (1984, var.p., eng) 39-2256
- Ship ice impact analysis. Koehler, P.E., et al. (1985, p.344-350, eng) 39-2434
- SAE marine transport, 1971-1981. Kozlovskii, A.M., (1983, p.94-98, eng) 39-2599
- RV *Polarstern*: Polar research and supply vessel of the F.R.G. Bungenstock, H., et al. (1983, p.115-118, eng) 39-2602
- Japanese icebreaker *Shirase*. Kusunoki, K., (1983, p.119-126, eng) 39-2603
- South African research/resupply vessel S.A. *Aguilas*. Leith, B., (1983, p.137-139, eng) 39-2607
- Movement of resupply cargo to Scott Base by container. Clark, N., (1983, p.206-207, eng) 39-2614
- Canadian shipbuilding and offshore and Arctic prospects. Walsh, H.M., (1984, p.15-18, eng) 39-2923
- Ships for Arctic waters. Beghin, D., (1983, p.842-850, fre) 39-2940
- Design of an Arctic merchant ship. Bonmort, J., et al. (1983, p.851-860, fre) 39-2941
- Ice forces on port structures resulting from moving ships. Abdelnour, R., et al. (1985, p.1215-1223, eng) 39-3254
- Arctic vessel design. German, J.G., (1984, p.25-36, eng) 39-3367
- Hoverbergs in the Arctic. Ramadan, H.D., (1984, p.83-85, eng) 39-3368
- Architectural and structural type, nautical and ice-navigational qualities of promising ships. Panin, I.U.I., ed. (1984, 105p., rus) 39-3382
- Ship frame damage in ice navigation. Karvanov, S.B., (1984, p.80-84, rus) 39-3384
- Calculating ship velocities in ice. Bogdanov, A.A., (1984, p.87-90, rus) 39-3385
- Calculating metal-ice friction coefficients for ships. Ierusalimskii, A.V., et al. (1984, p.90-96, rus) 39-3386
- Dynamic ice loads on a ship. Tunik, A.L., (1984, p.297-313, eng) 39-3489
- Air-cushion vessels. Liubimov, V.I., et al. (1984, 207p., rus) 39-3529
- Ice-cutting equipment for river ports. Glebov, A., et al. (1984, p.28, rus) 39-3533
- Iceworthiness of icebreakers and transport ships for navigation in ice. Maksutov, D.D., (1984, p.131-135, eng) 39-3672
- Air-cushion vehicles for landing operations. Lapkovskii, P., et al. (1985, p.40-41, rus) 39-3727
- Major safety provisions in nuclear-powered ships. Khlopkin, N.A., et al. (1985, p.803-806, eng) 39-3915
- See also: Icebreakers; Oceanographic ships; Submarines; Tanker ships
- Shock waves**
- Wave propagation in snow. Brown, R.L., et al. (1984, p.695-723, eng) 39-1146
- Shock-wave studies of ice under uniaxial strain conditions. Larson, D.B., (1984, p.235-240, eng) 39-1681
- Ice satellites of Jupiter and Saturn. Ahrens, T.J., et al. (1984, 44p., eng) 39-2090
- Shore erosion**
- Environmental protection in permafrost areas. Leshchikov, F.N., et al. (1982, p.113-118, rus) 39-36
- Role of extreme natural processes in the development of coastal landscapes of the Sea of Okhotsk. Stepanova, L.E., (1984, p.49-53, rus) 39-671
- Sea and ocean level fluctuations for 15,000 years. Kaplan, P.A., ed. (1982, 230p., rus) 39-754
- Structures of northern sea shores. Bashlavin, D.K., et al. (1982, p.174-178, rus) 39-758
- Front weathering of clayey lake shores. Shul'gin, M.V., (1984, p.134-135, rus) 39-916
- Rate of lake shore erosion in permafrost areas. Shul'gin, M.V., (1984, p.135-136, rus) 39-917
- Linear erosion of lake shores in permafrost areas. Khamaganova, S.I., et al. (1984, p.136, rus) 39-918
- Changes in natural conditions induced by human activities. Saks, V.N., ed. (1984, 176p., rus) 39-1415
- Shore and lake bottom formation in permafrost areas. Shirokov, V.M., (1984, p.10-26, rus) 39-1417
- Lake shore erosion in the Far North. Gogolev, E.S., et al. (1984, p.42-45, rus) 39-1594
- Avalanche formation on eroded shore slopes. Miagkov, S.M., et al. (1984, p.109-114, rus) 39-2775
- Asphalt-concrete reinforcement of slopes of hydraulic structures. Zhdanov, I.U.K., (1984, 187p., rus) 39-2798
- Reference book on construction in water under severe climatic conditions. Gorde, E.G., et al. (1984, 383p., rus) 39-3508
- Shore ice**
- See: Fast ice
- Shoreline modification**
- Sea and ocean level fluctuations for 15,000 years. Kaplan, P.A., ed. (1982, 230p., rus) 39-754
- Structures of northern sea shores. Bashlavin, D.K., et al. (1982, p.174-178, rus) 39-758
- Bank erosion of U.S. northern rivers. Gatto, L.W., (1982, 75p., eng) 39-1264
- Shore and lake bottom formation in permafrost areas. Shirokov, V.M., (1984, p.10-26, rus) 39-1417
- Shores**
- Wave attenuation by floating ice. Popov, B.A., (1984, p.58-60, rus) 39-581
- Subsea cryolithozone. Zhigarev, L.A., (1984, p.3-13, rus) 39-833
- Cosmo-geological methods of investigating the Arctic. Lopatin, B.G., ed. (1984, 108p., rus) 39-1107
- Influence of Arctic natural conditions on the information content of satellite photographs. Kutelnikova, N.S., et al. (1984, p.5-11, rus) 39-1108
- Interpretation of anomalies on spaceborne photographs of Arctic Ocean bottom. Gurevich, V.I., et al. (1984, p.94-108, rus) 39-1111
- Ice load prediction for Arctic nearshore zone. Vivatrat, V., et al. (1984, p.75-87, eng) 39-1624
- Catalog of hydroclimatological data for Alaska's coastal zone. Carlson, R.F., et al. (1982, c58p., eng) 39-2637
- Analysis of the system coastal relief—shore ice— atmosphere. Stepanova, L.E., (1984, p.530-533, rus) 39-2753
- Medium-scale landscape map of the Yamal Peninsula. Kozin, V.V., et al. (1984, p.34-40, rus) 39-3080
- Shore roads for Siberian rivers. Dubin, A.A., (1985, p.24-25, rus) 39-3121
- Air-cushion vessels. Liubimov, V.I., et al. (1984, 207p., rus) 39-3529
- See also: Banks (waterways); Beaches; Coastal topographic features
- Side looking radar**
- Numerical interpretation of spaceborne side-looking radar images. Pichugin, A.P., et al. (1984, p.82-90, rus) 39-2057
- Sidewalks**
- KO-707SL snow and ice removal plows. (1984, p.23, rus) 39-828
- Silver iodide**
- Ice nucleation in supercooled water. Vonnegut, B., et al. (1984, p.486-490, eng) 39-99
- Ice crystals grown from the vapor at temperatures lower than -15 deg C. Yanashita, A., et al. (1984, p.96-103, eng) 39-3451
- Simulation**
- Wind-tunnel experiments of snowdrift formation at Showa Station. Tomabechi, T., et al. (1985, p.114-119, jpn) 39-3606
- See also: Computerized simulation; Environment simulation; Models
- Slabs**
- See: Heat sinks
- Sintering**
- See: Ice sintering
- Site surveys**
- Pipeline construction in cold, swampy regions. Tikhonov, A.I., et al. (1984, 81p., rus) 39-930
- Satellite observations of ice shelf drift. Gerdau, H., et al. (1984, p.161-175, ger) 39-1025
- Construction of drainage systems in bogs. Labendik, V.I., et al. (1984, p.57-58, rus) 39-1173
- API recommended practice for planning, designing, and constructing fixed offshore platforms. (1984, 115p., eng) 39-1384
- Indian and Brazilian activities in the Antarctic. Kusunoki, K., (1984, p.49-51, jpn) 39-2275
- Runway at Rodolfo Marsh Martin Station. Carvajal, E.M., (1983, p.144-155, eng) 39-2610
- Landing strip site survey on Greenwich Island. Alarcon, B., et al. (1983, p.156-194, eng) 39-2611
- Rebuilding of Australia's 3 antarctic stations, Parts 1-3. Gosbell, K.B., et al. (1983, p.214-273, eng) 39-2616
- Laboratory base for geophysical observations. Gernandt, H., et al. (1983, p.354-358, eng) 39-2634
- Organization of railroad construction in northern regions. Lutskii, S.I.A., et al. (1985, p.48-50, rus) 39-2868
- Pile foundations on paludal loess. Khrapov, V.S., (1985, p.76-79, rus) 39-3622
- Skid resistance**
- Ice and snow control by mineral material and skid resistance. Hoffmann, G., et al. (1985, p.139-146, ger) 39-3894
- Treating slippery surfaces on snow and ice. Straub, R., (1982, 6p., ger) 39-3900
- Preventing slippery surface on snow and ice. Hieke, E., (1974, 4 col. + fig., ger) 39-4010
- Preventing slippery surface on snow and ice. (1981, 4 col., ger) 39-4011
- Spreading agent for reducing slipperiness on snow and ice. Warner, J., et al. (1983, 6p., ger) 39-4013
- Spreading agent for slippery surfaces on snow and ice. Budich, M., (1982, 4p., ger) 39-4014
- Spreading agent for slippery roads and streets. Friedrich, G., (1981, 4p., ger) 39-4015
- Skis**
- Friction of skis on snow. Leino, M.A.H., et al. (1983, p.101-104, eng) 39-1065
- Additional observations on the snow to be considered when skiing. Palosuo, E., et al. (1984, p.143-149, eng) 39-1281
- Slab avalanches**
- See: Snow slides
- Slides**
- Motorized toboggans. Clark, N., (1983, p.200-205, eng) 39-2613
- Portable shelter for use in collecting sea bottom sediments. Clark, N., (1983, p.208-209, eng) 39-2615
- Notes on field equipment used by the New Zealand Antarctic Research Programme. Monteath, C., (1983, p.552-556, eng) 39-2629
- Sliding**
- Theory of rotating cirque glacier movement and its applications. Körner, H.J., (1983, p.103-130, ger) 39-1963
- Skin slides on rock slopes, north shore of the Gulf of St. Lawrence. Dionne, J.C., et al. (1984, p.193-200, fre) 39-2722
- See also: Basal sliding
- Slope orientation**
- Mosses in Yamal tundra. Andreeva, E.N., (1981, p.18-19, rus) 39-58
- Problems in studying lichen synusia of the Arctic. Traas, Kh.Kh., (1981, p.70-72, rus) 39-72
- Lichens of the western Sayan. Kravchuk, S.V., (1981, p.90-92, rus) 39-74
- Botanical-geographic characteristics of steppe vegetation in interior Alaska. Il'rutsev, B.A., (1984, p.743-752, rus) 39-114
- Phenological inversions in western Tien Shan. Lynov, I.U.S., (1984, p.29-33, rus) 39-121
- Recent climatic changes in the Caucasus. Surova, N.A., (1984, p.83-98, rus) 39-298
- Woody plants of the polar Ural Mountains. Semenov, B.A., et al. (1984, p.30-31, rus) 39-512
- Trees and shrubs growing on mudflow cones. Khomullo, O.N., (1984, p.37-38, rus) 39-514
- Snowdrift patches on King George (Waterloo) Island. Viituri, B.I., (1984, p.209-214, rus) 39-2793
- Alpine mossy larch forest of the Zeya State Reserve on the Tukuringa Range. Kuvaev, V.B., et al. (1985, p.221-231, rus) 39-2906
- Wind and plant-root erosion at high altitudes. Korstakii, A.P., (1984, p.100-102, rus) 39-3064
- Ice forces due to impact loading on a slope structure. Evans, R.J., et al. (1985, p.220-229, eng) 39-3175
- Ice loads on structures with compound slopes. Coon, M.D., et al. (1985, p.267-275, eng) 39-3179
- Temporal and spatial variation of snow pressure on structures. Larsen, J.O., et al. (1985, p.166-171, eng) 39-3604
- Snow loads on sloping roofs: two pilot studies in the Ottawa area. Taylor, D.A., (1985, p.334-343, eng) 39-4024
- Behavior of a snow cover on mountain slope. Yoshida, Z., (1984, p.1-14, jpn) 39-4031
- Snow cover on mountain slope. Yoshida, Z., (1984, p.15-31, jpn) 39-4032
- Stresses in snow cover on mountain slope. Yoshida, Z., (1984, p.33-47, jpn) 39-4033
- Snow sliding and crack formation on mountain snow slopes. Akitaya, E., et al. (1984, p.49-57, jpn) 39-4034
- Slope processes**
- Regional characteristics of soil formation in monsoon areas after forest fire. Sapozhnikov, A.P., (1982, p.117-124, rus) 39-31
- Environmental protection in permafrost areas. Leshchikov, F.N., et al. (1982, p.113-118, rus) 39-36
- Permafrost transformation induced by mining activities. Pianskii, B.I., et al. (1982, p.119-123, rus) 39-37
- Forecasting rain-induced and glacial mudflows in the Caucasus. Andreev, I.U.B., et al. (1984, p.86-92, rus) 39-41
- Rock glaciers. Gorbunov, A., (1984, p.112-113, rus) 39-117

Slope processes (cont.)

- Snow physics, avalanches, mudflows. Zalikhanov, M.Ch., ed. (1984, 156p., rus) 39-288
- Estimating avalanche damage to slopes and valley bottoms. Kozhaev, D.A., (1984, p.35-37, rus) 39-292
- Mudflow formation on river basin slopes. Moakalev, E.L., et al. (1984, p.142-149, rus) 39-305
- "Ploughing blocks" in Tien Shan highlands. Tarakanov, A.G., (1984, p.88-95, rus) 39-318
- Spaceborne photography in road construction. Revzon, A.L., et al. (1984, p.15-17, rus) 39-354
- Life of the Earth. Global tectonics and dynamics of natural processes. Ushakov, S.A., ed. (1984, 152p., rus) 39-389
- Soil formation and revegetation of permafrost slopes. Shishkina, L.P., et al. (1984, p.91-96, rus) 39-394
- Estimating snow stability on slopes, allowing for the effect of blasting. Fomin, A.G., et al. (1984, p.38-45, rus) 39-634
- Role of extreme natural processes in the development of coastal landscapes of the Sea of Okhotsk. Stepanova, L.E., (1984, p.49-53, rus) 39-671
- Slope processes in South Victoria Land. Miotke, F.D., (1984, p.1-53, eng) 39-725
- Soil erosion on subarctic forest slopes. Aldrich, J.W., et al. (1983, p.115-118, eng) 39-769
- Man and nature in the BAM zone (environmental protection and the use of natural resources). Vorob'ev, V.V., ed. (1984, 156p., rus) 39-901
- Estimation of mudflow and avalanche danger in the BAM zone. Perov, V.F., et al. (1984, p.59-68, rus) 39-903
- Mudflow and avalanche danger in mountainous and gullied areas of the Ukrainian SSR. Alzenberg, M.M., et al. (1984, p.88-95, rus) 39-911
- Linear erosion of lake shores in permafrost areas. Khamaganova, S.I., et al. (1984, p.136, rus) 39-918
- Methods of geochemical exploration used in northern Siberia. Polikarpochkin, V.V., ed. (1984, 177p., rus) 39-1190
- Peculiarities of geochemical exploration in northern Siberia. Polikarpochkin, V.V., (1984, p.11-18, rus) 39-1191
- Geochemical exploration in permafrost areas. Pitul'ko, V.M., (1984, p.42-45, rus) 39-1194
- Geochemical exploration of bald-peak landscapes. Talaeov, T.T., (1984, p.61-67, rus) 39-1197
- Permafrost weathering and mineral transport and accumulations. Khmeleva, N.V., et al. (1984, p.67-73, rus) 39-1198
- Exploration of dispersion streams under permafrost conditions. Gundobin, G.M., et al. (1984, p.102-108, rus) 39-1201
- Seismic stability of bridges. Shestoporov, G.S., (1984, 143p., rus) 39-1238
- Glacial mudflows in the Himalayas. Sen'kovskaya, N.F., (1984, p.81-87, rus) 39-1388
- Baykal Amur railroad: the first decade. Aganbegian, A.G., ed. (1984, 208p., rus) 39-1408
- Tunnels of the BAM. Bessolov, V.A., et al. (1984, p.38-44, rus) 39-1410
- All-Union Conference on aerial and space methods of studying forests, Krasnoyarsk, July 7-9, 1984. Summaries of reports. (1984, 186p., rus) 39-1480
- Studying slope processes in Caucasus forests. Imanov, N.A., et al. (1984, p.103-104, rus) 39-1495
- Slope protection from glacial mudflows. Bolov, V.R., (1984, p.74-77, rus) 39-1707
- Local contrasts in geosystems. Kapitsa, A.P., ed. (1977, 206p., rus) 39-1897
- Hydrothermal structure of landscapes in the Khatanga-Bureya lowland. Kolomyts, E.G., (1977, p.19-76, rus) 39-1899
- Causes of glacial mudflow formation. Plekhanov, P.A., (1983, p.127-131, rus) 39-1926
- Estimating the degree of avalanche danger. Blagoveshchenskiy, V.P., (1983, p.138-148, rus) 39-1927
- Combined satellite surveys of Siberia. Ianushin, A.L., ed. (1984, 96p., rus) 39-1972
- Satellite surveys of different climatic zones. Ziat'kova, L.K., (1984, p.71-79, rus) 39-1973
- Geological, zonal and climatic peculiarities of landslide formation. Sheshenia, N.L., et al. (1984, 125p., rus) 39-2042
- Hydrometeorological studies. Chistiaeva, S.P., ed. (1984, 152, rus) 39-2249
- Vegetational indices of avalanche activities. Borcheninova, T.M., (1984, p.57-64, rus) 39-2252
- Avalanche formation on the Talasskiy and Ugamskiy ranges. Borcheninova, T.M., et al. (1984, p.122-128, rus) 39-2255
- Calculating mudflow characteristics. Stepanov, B.S., (1984, p.3-17, rus) 39-2280
- Development of mudflow processes in foci of different types. Khonin, R.V., (1984, p.17-29, rus) 39-2281
- Geomorphology of the Hunza Valley, Karakoram Mountains, Pakistan. Goudie, A.S., et al. (1984, p.359-410, eng) 39-2319
- Extreme rainfall and rapid snowmelt as causes of mass movements in high latitude mountains. Rapp, A., (1985, p.36-56, eng) 39-2693
- Glaciation of South America. Glebova, L.N., et al. (1984, p.29-43, rus) 39-2766
- Environmental changes of highlands in Greater Caucasus due to human activities. Sukhodrovskiy, V.L., (1985, p.49-54, rus) 39-3012
- Wind and plant-root erosion at high altitudes. Koretskiy, A.P., (1984, p.100-102, rus) 39-3064
- Compiling geocryological charts of solifluction areas. Garagulia, L.S., et al. (1985, p.67-82, rus) 39-3292
- Udokan (natural resources and their development). Narkelun, L.F., ed. (1985, 230p., rus) 39-3594
- Formation of gullies in the Novosibirsk area. Petrova, N.I., (1985, p.60-69, rus) 39-3620
- Ecosystems affected by technology: their organization and functioning. Titlianova, A.A., ed. (1985, 136p., rus) 39-3625
- Slope processes in cold regions affected by industry. Klevenkaia, I.L., et al. (1985, p.23-38, rus) 39-3628
- Microbial cenoses in Siberian ecosystems affected by technology. Naplekova, N.N., et al. (1985, p.38-49, rus) 39-3629
- Periglacial talus slopes. Jahn, A., (1984, p.177-193, eng) 39-3883
- Periglacial processes in the Peruvian Andes. Francou, B., (1984, p.113-126, fre) 39-3927
- Aerial-landscape method of studying exogenic processes. Sadov, A.V., (1978, 151p., rus) 39-4005
- Slope protection
- Protective structures in terrain stabilization. Schiechl, H.M., (1973, 244p., ger) 39-661
- Frost damage of the protecting slope of the reservoir dams and the treatments to them in Suihua area. Wu, Y., (1984, p.69-76, chi) 39-1542
- Slope protection from glacial mudflows. Bolov, V.R., (1984, p.74-77, rus) 39-1707
- Improving the stability of quarry slopes in the north. Shurgin, B.V., et al. (1983, p.61-71, rus) 39-1893
- Asphalt-concrete reinforcement of slopes of hydraulic structures. Zhdanov, I.U.K., (1984, 187p., rus) 39-2798
- Arctic island construction. Robertson, F.P., (1985, p.48-56, eng) 39-3162
- Slope protection of arctic offshore artificial islands. Chow, W.Y., et al. (1985, p.102-110, eng) 39-3165
- Effect of ice override and pileup on artificial islands. Hocking, G., et al. (1985, 185-192, eng) 39-3171
- Asphalt revetments for slope protection in the Arctic. Valleria, B.A., et al. (1985, p.732-744, eng) 39-3218
- Reference book on construction in water under severe climatic conditions. Gordes, E.G., et al. (1984, 383p., rus) 39-3508
- Slope stability
- Modernized radio alarm systems for mudflows. Abramov, A.I., et al. (1984, p.122-126, rus) 39-464
- Improved radio alarm systems for mudflows. Abramov, A.I., et al. (1984, p.126-130, rus) 39-465
- Inclined drainage of earth dams in the North. Moshkova, M.A., et al. (1980, p.52-55, rus) 39-753
- Increasing seismic stability of earth dams. Natarious, I.A.I., (1984, 88p., rus) 39-928
- Creep deformation of slope sediments in the Canadian Beaufort Sea. Hill, P.R., et al. (1982, p.163-170, eng) 39-1043
- Regularities governing thermal stabilization of ground. Shapar, A.G., et al. (1984, p.38-42, rus) 39-1564
- Improving the stability of quarry slopes in the north. Shurgin, B.V., et al. (1983, p.61-71, rus) 39-1893
- Stress-strain condition and the assessment of slope stability in areas of complex geological structure under various temperature regimes. Ukhov, S.B., et al. (1984, p.300-305, eng) 39-2177
- Soil movements on permafrost slopes near Fairbanks, Alaska. Wu, T.H., (1984, p.699-709, eng) 39-2272
- Geomorphology of high magnitude-low frequency events in the Karakoram Mountains. Brunsten, D., et al. (1984, p.383-388, eng) 39-2314
- Effects of freeze-thaw softening on a natural clay at low stresses. Graham, J., et al. (1985, p.69-78, eng) 39-2486
- Creep and sliding in clay slopes during freeze thaw cycles. Czarda, K.A., et al. (1984, 45p., eng) 39-2514
- Repairing railroad subgrades affected by seasonal changes. Pevlov, A.I., (1982, p.89-94, rus) 39-2518
- Avalanche formation on eroded shore slopes. Miagkov, S.M., et al. (1984, p.109-114, rus) 39-2775
- Ice action on hydraulic structure slopes. Aleinikov, S.M., et al. (1984, p.237-248, eng) 39-3484
- Freeze thaw effect on slopes of peat draining trenches. Gamaunov, N.I., et al. (1984, p.3-16, rus) 39-3768
- Sludges
- Dewatering aqueous suspensions by freeze-thaw technique. Baskerville, R.C., (1971, p.141-144, eng) 39-278
- Sludge dewatering by freezing. Cheng, C.-Y., et al. (1970, p.1145-1147, eng) 39-279
- Cold region wastewater lagoon sludge. Schneider, R.W., (1982, 441p., eng) 39-1404
- Sluices (hydraulic engineering)
- Prediction of construction characteristics of sluiced materials used in foundations under permafrost conditions and in severe climates. Poleshuk, V.L., (1984, p.286-289, eng) 39-2174
- Slush
- Modeling the freezing process of slush-bearing rivers. Abramov, N.M., (1984, 100p., rus) 39-53
- Modeling freezeup of slush-bearing rivers. Abramov, N.M., (1984, p.30-49, rus) 39-436
- Basic investigations on mush ice. Hellmann, J.-H., (1984, p.37-55, eng) 39-3469
- See also: Wet snow
- Smoke generators
- Testing generators for ice-forming aerosols. Beliaev, S.P., et al. (1984, p.124-130, rus) 39-485
- Model studies on ice-forming aerosol generators used to seed clouds. Beliaev, S.P., et al. (1983, p.48-53, rus) 39-588
- Smoke trials, SNOW-ONE-B. (1983, p.279-284, eng) 39-1961
- Space shuttle ice nuclei. Turco, R.P., et al. (1982, p.830-832, eng) 39-2211
- Comparison of smoke and obscurant microscale physical characteristics in summer and winter environments. Farmer, W.M., et al. (1984, p.399-403, eng) 39-2978
- Smoke Week VI/SNOW-TWO observations. Ebersole, J.F., et al. (1984, p.405-407, eng) 39-2979
- Snow chemistry of obscurnants released during SNOW-TWO/Smoke Week VI. Cragin, J.H., (1984, p.409-416, eng) 39-2980
- Modeling the effects of a cold environment on screening smokes. Matise, B.K., (1984, p.417-433, eng) 39-2981
- Snow
- Glossary of Russian ice terms. (1984, 78p., rus) 39-772
- Second All-Union Symposium "Meteorological studies in the Antarctic". Burova, L.P., (1984, p.78-81, rus) 39-979
- NESDIS environmental inventory No.1. Environmental data inventory for the antarctic area. (1984, 52p., eng) 39-1310
- Rain/snow impact erosion of high velocity projectile. Hong, Y.S., (1980, p.2-8, kor) 39-1723
- Glaciological trace element investigations at German antarctic stations. Gorchuch, U., et al. (1985, p.42-49, ger) 39-2804
- Visibility climatology of McMurdo Sound/Williams Field, Antarctica. Souder, C.G., (1984, 149p., eng) 39-3349
- Proceedings of the Sixth Symposium on Polar Meteorology and Glaciology. Kusunoki, K., ed. (1984, 241p., eng) 39-3448
- Glossary of glaciology. Kotliakov, V.M., et al. (1984, 528p., rus) 39-3641
- See also: Blowing snow; Slush; Wet snow
- Snow accumulation
- Snow concentration and effective air density during snowfalls. Mellor, M., (1983, p.505-507, eng) 39-211
- Forthcoming natural climatic changes in the El'brus Mountain area. Surova, N.A., (1984, p.98-110, rus) 39-299
- Snow accumulation and avalanche conditions in western Caucasus. Volodicheva, N.A., et al. (1984, p.110-117, rus) 39-300
- Estimation of winter precipitation in mountains. Takami, H., (1984, p.45-50, jpn) 39-494
- Improving ice and snow measurements on lakes. Adams, W.P., (1984, p.1-11-14, eng) 39-537
- Pleistocene and modern snow accumulation patterns, San Juan Mountains, CO. Leonard, E.M., (1984, p.65-76, eng) 39-606
- Antarctic automatic weather stations, austral summer 1982-1983. Stearns, C.R., et al. (1983, p.245-246, eng) 39-649
- Effects of snow jams on fluvial activities in the High Arctic. Woo, M., et al. (1981, p.83-98, eng) 39-658
- Shallow snow model for predicting vehicle performance. Harrison, W.L., (1981, 21p., eng) 39-1261
- Wind correction factors for snow precipitation gauges. Carlsson, B., et al. (1984, p.1-15-130, eng) 39-1279
- Principles of interception process model during a winter season. Gutry-Korycka, M., (1984, p.4-1-4-37, eng) 39-1291
- Contribution to the calculation of the snow accumulation and snowmelt runoff in a mountain catchment area. Babiakova, G., (1984, p.515-540, eng) 39-1293
- Snow and avalanche conditions in the Swiss Alps. Meister, R., et al. (1984, p.40-94, ger) 39-1351
- In-depth study of snow fences. Tabler, R.D., et al. (1982, p.42-44, eng) 39-1662
- Ultra-high-frequency measurements of snowfall intensity. Bolov, V.R., et al. (1984, p.41-45, rus) 39-1706
- Winter regime in valleys of the Amur River region. Surova, N.A., (1977, p.135-155, rus) 39-1902
- Geographic differentiation of snow cover on the Badzhalskiy Range. Martynova, A.M., (1977, p.156-170, rus) 39-1903
- Factors influencing snow cover of Sikhote-Alin'. Rozman, A.P., (1977, p.171-181, rus) 39-1904
- Snow reserves distribution on mountain glaciers. Cherkaev, P.A., et al. (1983, p.74-89, rus) 39-1922
- Snow accumulation, firm temperature and solar radiation, Swiss Alps. Alean, J., et al. (1983, p.131-147, eng) 39-1964

- Protecting electric power sub-stations from snowdrifts. Malevannaya, N.G., et al, 1984, p.42-44, rus 39-2103
- Correcting snow survey measurements in mountains. Gal'ster, N.V., 1984, p.38-43, rus 39-2251
- Comparing the characteristics of stable snow and solid atmospheric precipitation. Loktionova, E.M., et al, 1984, p.74-81, rus 39-2375
- JARE glaciological research in Queen Maud Land, 1983. Nakawo, M., et al, 1984, 80p. + map, eng 39-2484
- Snow accretion on power lines. Bauer, D., 1973, p.88-96, eng 39-2497
- Correlation of snowpack and runoff, Marmot Creek basin, Alberta. Golding, D.L., 1974, p.31-38, eng 39-2498
- Development of a snowdrift wind tunnel. Anno, Y., et al, 1985, p.153-161, eng 39-2558
- Supplement to Anno's modelling conditions for a snowdrift. Anno, Y., 1985, p.193-195, eng 39-2562
- Critical situations in avalanche basins. Di Sopra, L., 1985, p.37-45, ita 39-2668
- Snow accumulation and snowmelt in forested and deforested areas. Flamondon, A.P., et al, 1984, p.27-35, fre 39-2706
- Combined mapping technique for snow distribution in mountains. Ivanovskaya, T.E., 1984, p.44-56, rus 39-2767
- Relations between snow accumulation on glaciers and in valleys. Gus'kov, A.S., et al, 1984, p.185-188, rus 39-2788
- Calculating snow transfer toward roads. Gladysheva, I.A., et al, 1984, p.11, rus 39-2854
- Snow loads on some types of three-dimensional covers. Ledovskoi, I.V., et al, 1985, p.5-10, rus 39-2882
- Possibility of joint application of nivometric and stratigraphic methods of measuring accumulation for more accurate determination of accumulation rate in the central areas of Antarctica. Diurgerov, M.B., et al, 1985, p.82-86, rus 39-2895
- Precipitation in Switzerland. Sevrak, B., ed, 1985, 278p, ger 39-2995
- Correction of precipitation data by snow measurements. Martinec, J., 1985, p.77-86, ger 39-2996
- Peculiarities of snow precipitation. Föhn, P.M.B., 1985, p.87-96, ger 39-2997
- Precipitation determination in glacierized mountains. Aellen, M., 1985, p.97-105, ger 39-2998
- Contribution of snow to monthly precipitation. Sevrak, B., 1985, p.127-138, ger 39-3000
- Dependence of precipitation on altitude. Lang, H., 1985, p.149-158, ger 39-3001
- Studies of snow accumulation characteristics on Himalayan slopes. Bagchi, A.K., 1980, p.153-156, eng 39-3132
- Radar determination of snowfall rate and accumulation. Boucher, R.J., et al, 1985, p.68-73, eng 39-3141
- Ice cover thickness and weather conditions, upper St. Lawrence River. Shen, H.T., et al, 1982, 191p, eng 39-3271
- Stratigraphy of the Quelccaya ice cap, Peru. Thompson, L.G., et al, 1984, p.50-53, eng 39-3364
- Summer precipitation onto the South Pole plateau. Inoue, M., et al, 1984, p.70-86, eng 39-3449
- Scatter of snow accumulation measured on the Mizuho Plateau. Satow, K., 1984, p.132-136, eng 39-3455
- Monthly data 1951-80 normals: snowfall data for selected co-op stations. 1981, 52 fiches, eng 39-3464
- Statistical studies of snow accumulation at Showa and Mizuho Stations. Wada, M., 1985, p.1-11, eng 39-3952
- Snow acoustics**
- Workshop on the Properties of Snow, 1981, 135p., eng 39-2258
- Electrical, optical and acoustical properties of snow. Gubler, H., 1981, p.111-124, eng 39-2260
- Characterization of snow by acoustic sounding: a feasibility study. Lee, S.M., et al, 1985, p.247-266, eng 39-3930
- Snow air interface**
- Microwave emission from an irregular snow layer. Eom, H.J., et al, 1983, p.423-437, eng 39-731
- Near surface temperature regime of the Antarctic. Carroll, J.J., 1984, p.4941-4952, eng 39-762
- Atmospheric neutrons on snow field at Mizuho Station. Kodama, M., et al, 1984, p.147-151, eng 39-3457
- Snow compaction**
- Compacted snow as a pavement material for runway construction. Russell-Head, D.S., et al, 1984, p.231-247, eng 39-400
- Methods of determining the mechanical characteristics of snow. Mazur, A.I., et al, 1983, p.95-98, eng 39-586
- Predicting wheeled vehicle motion resistance in shallow snow. Blaisdell, G.L., 1981, 18p., eng 39-872
- Antarctic infrastructure and policy of access to the continent. Lopetegui Torres, J., 1984, p.161-177, spa 39-2194
- Snow composition**
- Numerical response of the middle atmosphere to the 11-year solar cycle. Garcia, R.R., et al, 1984, p.411-423, eng 39-17
- Chemistry of precipitation in relation to precipitation type. Warburton, J.A., 1982, p.379-386, eng 39-20
- Isotope stratification in high mountain glaciers: examples from the Peruvian Andes and Himalaya. Grabczak, J., et al, 1983, p.417-424, eng 39-203
- Hydrocarbons in snow, ice, and water in the northern part of the Kara Sea. Dmitriev, F.A., et al, 1983, p.67-71, eng 39-585
- Chemical composition of snow at the Riiser-Larsen Ice Shelf. Gjessing, Y., 1984, p.825-830, eng 39-664
- Model of oxygen isotope composition of snow. Covey, C., et al, 1984, p.4647-4655, eng 39-760
- Solar radiative impacts of soot in aerosols, clouds and snow. Ramaswamy, V., 1982, 229p., eng 39-1406
- All-Union Seminar on environmental impact of industry, Zvenigorod, Dec. 4-8, 1984. Summaries of reports. Krivolutski, D.A., ed, 1984, 240p., rus 39-1425
- Snow cover as an indication of radiation effect on biogeocenoses. Golubeva, E.I., et al, 1984, p.41-42, rus 39-1427
- Macro- and microelement composition of snow as an index of the polluting effect of an alumina combine. Dronin, N.M., 1984, p.66-67, rus 39-1428
- Geochemical monitoring of environmental pollution. Kachur, A.N., et al, 1984, p.93-94, rus 39-1430
- Snow pollution by industrial wastes. Uchvatov, V.P., et al, 1984, p.198-200, rus 39-1433
- Acid precipitation in southeastern Wyoming. Ahern, J., et al, 1983, 105p., eng 39-1513
- Chemical analysis of northern Michigan snowpack. Cadle, S.H., et al, 1984, p.303-319, eng 39-1571
- Physical model for predicting the thermal conductivity of brine-wetted snow. Crocker, G.B., 1984, p.69-74, eng 39-1623
- Extractable organic compounds in Midwest rain and snow. Meyers, P.A., et al, 1982, p.2169-2175, eng 39-1659
- Trace elements in urban snow. Landsberger, S., 1982, n.p., eng 39-2008
- Sulphur in antarctic snow and firm. Nielson, H., 1985, p.118-123, ger 39-2814
- Snow chemistry of obscurants released during SNOW-TWO/Smoke Week VI. Cragin, J.H., 1984, p.409-416, eng 39-2980
- Ionic balance of antarctic snow: a 10-year detailed record. Legrand, M.R., et al, 1984, p.1867-1874, eng 39-3094
- Environmental impact of the Kan-Achinsk Fuel and Energy Complex. Grudin, G.V., 1984, p.132-142, rus 39-3345
- Snow impurities in Eastern Canada, 1980-1981. Barrie, L.A., et al, 1984, p.1459-1469, eng 39-3371
- Present status and future of lead studies in polar snow. Patterson, C.C., et al, 1985, p.101-104, eng 39-3574
- Atmospheric pollution registered in ice cores and snow. Alderton, D.H.M., et al, 1985, p.97-153, eng 39-3905
- Snow compression**
- Snow deformation at its impact against different obstacles. Kariakin, A.T., et al, 1984, p.34-37, rus 39-1704
- Poisson's ratio of snow on mountain slope. Ohizumi, M., et al, 1984, p.59-67, jpn 39-4035
- Snow (construction material)**
- Runway construction at Molodetzhnaya Station. Aver'ianov, V.G., et al, 1983, p.99-105, eng 39-2600
- Snow cover**
- Prudhoe Bay Waterflood Project: Environmental monitoring program 1983, 1984, 3 vols., eng 39-154
- Sea-ice and snow-cover data availability, needs and problems. Barry, R.G., et al, 1984, p.9-15, eng 39-164
- Ablation and heat balance of the Yukikabe snow patch in the Daisetsu mountains, Hokkaido, Japan. Sato, A., et al, 1984, p.122-126, eng 39-185
- Carbon dating of plants and guano, and glaciological implications. Hebert, D., 1983, p.64-73, ger 39-788
- Snow in geography. Adams, W.P., 1983, p.10-17, eng 39-1021
- Mass transfer in the snow cover of central Yakutia. Arc, A.L., 1984, p.204-207, eng 39-2157
- Passive microwave remote sensing for sea ice research. 1984, 55p., eng 39-2914
- Snowpack ground truth measurements: 3. Snowpack profile characterization. Harrison, W.L., 1984, p.153-160, eng 39-2958
- Comparison of millimeter-wavelength snowcover reflectivity with snow surface properties. Williams, L.D., et al, 1984, p.193-200, eng 39-2961
- Explosive obscuration sub-test results at the SNOW-TWO field experiment. Ebersole, J.F., et al, 1984, p.347-354, eng 39-2973
- Vegetation pattern and ecology of siliceous boulder snow beds on Svalbard. Elvebak, A., 1984, p.9-20, eng 39-3373
- Global climate system. 1985, 52p., eng 39-3636
- Remote sensing of environment. 1985, 2000p. (3 vols.), eng 39-3703
- Microwave scanning radiometer data for snowpack properties. Ara, K., et al, 1985, p.435-444, eng 39-3704
- Great Lakes hydrologic forecast models. Gauthier, R.L., et al, 1985, p.1129-1140, eng 39-3706
- Satellite microwave radiometry of snow cover. Hallikainen, M., 1985, p.1404-1414, eng 39-3708
- Characteristics of snow cover on sea ice and formation of snow ice II. Takizawa, T., 1984, p.157-161, jpn 39-4044
- Time lag of meltwater percolation through a snow cover. Kojima, K., et al, 1984, p.181-184, jpn 39-4047
- Snow cover distribution**
- Snow cover distribution in river basins. Kopyl, I.V., et al, 1984, p.70-78, rus 39-38
- Distribution of snow cover in China. Li, P., et al, 1983, p.9-18, chi 39-262
- Ecological approach to snow studies in mountains. Kolomyts, E.G., et al, 1984, p.123-128, rus 39-289
- Snow accumulation and avalanche conditions in western Caucasus. Volodicheva, N.A., et al, 1984, p.110-117, rus 39-300
- Albedo values of Caucasus measured during 1953-1978. Samukashvili, R.D., 1984, p.123-128, rus 39-302
- Life of the Earth. Global tectonics and dynamics of natural processes. Ushakov, S.A., ed, 1984, 152p., rus 39-389
- Satellite information for studying snow and ice covers. Ushakova, L.A., 1984, p.73-79, rus 39-392
- Radar sounding of snow cover on avalanche slopes. Chizhov, A.N., 1984, p.93-96, rus 39-463
- Cryophytic meadows of Polar Ural Mountains. Igosheva, N.I., 1984, p.10-11, rus 39-505
- Snow cover data, winter 1982-83. 1984, 44p., eng 39-531
- Environmental protection in northern river basins.**
- Belotserkovskii, M.I., et al, 1984, p.3-9, rus 39-579
- Mean position of the snow cover boundaries in the Northern Hemisphere. Budoyvt, V.D., et al, 1983, p.88-90, eng 39-587
- Snowpack estimation in the St. John River basin. Power, J.M., et al, 1980, p.467-486, eng 39-601
- Glaciology of mountain regions (snow cover, avalanches and glaciers). Getker, M.I., ed, 1984, 136p., rus 39-628
- Using satellite information on the seasonal snow-line elevation in hydrologic forecasts of Central Asian rivers.**
- Chernov, V.I., 1984, p.3-14, rus 39-629
- Global formulas of A.N. Krenke and V.G. Khodakov for calculating snow melting. Pertsiger, F.I., et al, 1984, p.14-16, rus 39-630
- Stability of larger snow fields in glacier basins. Pertsiger, F.I., 1984, p.17-24, rus 39-631
- Unusual forms of snow cover relief in Central Asian mountains. Ratsek, V.I., et al, 1984, p.24-27, rus 39-632
- Snow resources of the Pamir-Alay Mountains.**
- Getker, M.I., 1984, p.27-37, rus 39-633
- Estimating snow stability on slopes, allowing for the effect of blasting. Fomin, A.G., et al, 1984, p.38-45, rus 39-634
- Distribution and regime of snow avalanches in western Tien Shan.**
- Sezin, V.M., et al, 1984, p.45-59, rus 39-635
- Role of sublimational processes in avalanche formation.**
- Brukhanda, V.I., et al, 1984, p.59-73, rus 39-636
- Calculating total glacier ablation. Kononov, V.G., 1984, p.92-98, rus 39-639
- Mountain snowcover model for Crater Lake National Park.**
- OR. Hamilton, W.L., et al, 1982, p.83-95, eng 39-659
- Remote sensing of weather and climate parameters.**
- Susskind, J., et al, 1984, p.4677-4697, eng 39-761
- Possibility of calculating snow loads for the USSR. Karapet'ants, E.M., 1983, p.44-51, rus 39-908
- Relations between changes of the sign of anomalies of maximum snow water reserves and the changes in circulation conditions. Karapet'ants, E.M., et al, 1983, p.93-101, rus 39-909
- Cosmo-geological methods of investigating the Arctic.**
- Lopatin, B.G., ed, 1984, 108p., rus 39-1107
- Influence of Arctic natural conditions on the information content of satellite photographs. Kutelnikov, N.S., et al, 1984, p.5-11, rus 39-1108
- Regional and seasonal variations in snow-cover density in the U.S.S.R.**
- Bilello, M.A., 1984, 70p., eng 39-1140
- Landsat based mapping of snow and vegetation cover.**
- Hawes, D.B., 1984, var p + 2 maps, eng 39-1143
- Attempt to calculate snow cover development in a forest.**
- Graf, B., et al, 1980, p.329-333, ger 39-1151
- Statistical techniques to modelize the snow cover evolution during the spring in mountainous environment.**
- Risser, V., 1982, p.273-276, eng 39-1215
- Landsat-D investigations in snow hydrology.**
- Dozier, J., 1983, 2p., eng 39-1236
- Some experience of the gamma-ray snow survey method after ten years of operational use.**
- Andersen, T., et al, 1984, p.21-23, eng 39-1284
- Increased snow melting due to longwave radiation from snowfree ground.**
- Roland, E., 1984, p.5117-5125, eng 39-1299

Snow cover distribution (cont.)

- Using satellite information in hydrologic studies of mountainous countries. Ivanian, G.A., et al., 1980, p.8, rus 39-1328
- Snow cover characteristics in arid grazing areas of Uzbekistan. Babushkin, O.L., 1978, p.67-75, rus 39-1337
- Seasonal variation of polar ice and snow boundaries. Berge, I.M., et al., 1983, p.29-41, rus 39-1358
- Physical conditions of fast ice formation in East Antarctica. 1979, p.1-15, eng 39-1365
- Snow cover in the central economic region. Mischkova, N.A., et al., 1984, p.55-59, rus 39-1387
- Glacial mudflows in the Himalayas. Sen'kovskaya, N.F., 1984, p.81-87, rus 39-1388
- Projecting future sea level rise. Hoffman, J.S., et al., 1983, 121p, eng 39-1392
- Alaska's snow. Benson, C.S., 1980, p.202-205, eng 39-1399
- Investigations of the forestry research station of the Academy of Sciences of the USSR. Vomperski, S.E., ed., 1984, 173p, rus 39-1412
- Studies of northern taiga forests at the Onega research station. Rysia, L.P., 1984, p.10-24, rus 39-1413
- All-Union Seminar on environmental impact of industry, Zvenigorod, Dec. 4-8, 1984. Summaries of reports. Krivolutski, D.A., ed., 1984, 240p, rus 39-1425
- Hydroclimatic conditions of the Amur River region. Naprasnikov, A.T., et al., 1983, 68p, + 15 maps, rus 39-1449
- Continental data of eastern Alaska. Report No.1. Urtsev, B.A., 1984, p.117-127, rus 39-1546
- Seasonal movements of air masses in the Martian atmosphere. Aleshin, V.I., 1981, p.614-617, eng 39-1598
- Use of aerial and satellite information in studying continental waters. Usachev, V.F., ed., 1984, 125p, rus 39-1687
- Zones of runoff formation indicated by vegetation on spaceborne photographs. Sumarokova, V.V., 1984, p.3-11, rus 39-1688
- Chronologic changes in snow line position from satellite photographs. Prokacheva, V.G., et al., 1984, p.20-28, rus 39-1689
- Observing snow melting in industrial centers. Prokacheva, V.G., et al., 1984, p.28-36, rus 39-1690
- Factors influencing snow cover of Sikhote-Alin'. Roman, A.P., 1977, p.171-181, rus 39-1904
- Hydrothermal regime of snow cover in low-mountain landscapes. Pavlov, V.N., 1977, p.182-195, rus 39-1905
- Methods of calculating snow reserves in mountains. Severaki, I.V., 1983, p.98-118, rus 39-1924
- Snow characterization at SNOW-ONE-B. Berger, R.H., et al., 1983, p.155-195, eng 39-1935
- Interpretation of winter-time satellite photographs of mountains. Volkov, I.A., 1984, p.79-85 + 16 plates, rus 39-1974
- Snow cover variations in mountain environments. Riser, V., et al., 1984, p.287-296, eng 39-2000
- Oblique aerial surveying technique for geographic studies. Gelman, R.N., et al., 1984, p.35-37, rus 39-2188
- Avalanche formation on the T. Vaskiy and Ugamskiy ranges. Borcheninova, T.M., et al., 1984, p.122-128, rus 39-2255
- Remote sensing of terrain, water resources, sea ice and agriculture. Biggs, A.W., 1983, p.611-622, eng 39-2257
- Microwave remote sensing of snow cover. Schanda, E., et al., 1983, p.149-158, eng 39-2449
- Night-time observations of snow using visible imagery. Foster, J.L., 1983, p.785-791, eng 39-2498
- Snow patches in summer, Ungava Peninsula, New-Quebec. Lauriol, B., et al., 1984, p.37-47, fre 39-2787
- Combined mapping technique for snow distribution in mountains. Ivanovskaya, T.E., 1984, p.44-56, rus 39-2767
- Ice-snow ablation runoff in mountains of western Canada and the United States. Dreier, N.N., et al., 1984, p.56-63, rus 39-2768
- Ice and snow maps for continents. Alimshinskaya, N.M., et al., 1984, p.63-68, rus 39-2769
- Avalanche formation on eroded shore slopes. Miagkov, S.M., et al., 1984, p.109-114, rus 39-2775
- Calculating snow reserves in the Abramov glacier basin. Zhidlov, V.A., 1984, p.174-178, rus 39-2785
- Snowdrift patches on King George (Waterloo) Island. Vitoria, B.I., 1984, p.209-214, rus 39-2793
- Problems of engineering glaciology. Osokin, N.I., 1984, p.215-219, rus 39-2794
- Feature identification and location experiment. Siverton, W.B., Jr., et al., 1982, p.1031-1033, eng 39-2903
- Overview of meteorological and snow cover characterization at SNOW-TWO. Bates, R.E., et al., 1984, p.171-191, eng 39-2960
- Satellite data for all-weather charting of snow cover. Robinson, D., et al., 1984, p.434-435, eng 39-2987
- Individual design method for small river hydrographs in eastern Siberia. Posenkov, A.V., 1985, p.125-133, rus 39-3016
- Contribution of space observations to water resources management. 1980, 280p, eng 39-3128
- Snow mapping from space platforms. Itten, K.I., 1980, p.125-138, eng 39-3129
- Problems of snow cover assessment: an approach using remote sensing techniques in a pilot project in the Beas River basin, Himachal Pradesh, India. Vohra, C.P., et al., 1980, p.139-142, eng 39-3130
- Eurasian snow cover extent: the NOAA satellite record, 1966-79. Matson, M., et al., 1980, p.142-152, eng 39-3131
- Climate Diagnostics Workshop, 6th, 1981. 1982, 341p, eng 39-3420
- Winter snow cover drought of 1980-81. Matson, M., et al., 1982, p.57-63, eng 39-3421
- Snow cover variations in Northern Hemisphere, 1967-1980. Dewey, K.F., et al., 1982, p.157-165, eng 39-3422
- On the use of snow cover as a short-term climatic predictor. Walsh, J.E., et al., 1982, p.170-177, eng 39-3423
- Snow cover area-runoff forecasting models, Western Himalayas. Dey, B., 1985, p.1425-1432, eng 39-3709
- Influence of snow cover recession on an alpine ecological system. Keller, M., et al., 1985, p.1931-1936, eng 39-3713
- Snow profiles and avalanche activity in the Cairngorm Mountains, Scotland. Ward, R.G.W., et al., 1985, p.18-27, eng 39-3720
- Role of snow cover in differentiation of landscape zones. Nefed'eva, E.A., et al., 1985, 143p, rus 39-3806
- Climatic zonation in the Andes and permafrost distribution. Minetti, J.L., et al., 1984, p.129-143, spa 39-3947
- Behavior of a snow cover on mountain slope. Yoshida, Z., 1984, p.1-14, jpn 39-4031
- Snow cover on mountain slope. Yoshida, Z., 1984, p.15-31, jpn 39-4032
- Stresses in snow cover on mountain slope. Yoshida, Z., 1984, p.33-47, jpn 39-4033
- Snow cover effect. Studying winter state of different landscapes. Beruchashvili, N.L., et al., 1984, p.78-82, rus 39-39
- Systematic unequal dissection of opposing valley sides. Lieblich, R.S., et al., 1983, p.512-514, eng 39-213
- Eolian processes in alpine belts of the High Tatra Mountains, Poland. Izmailov, B., 1984, p.143-151, eng 39-501
- Light transmission in a lake covered with snow and ice. Adams, W.A., et al., 1984, p.65-71, eng 39-540
- Vehicle traction mechanics. Yong, R.N., et al., 1984, 307p, eng 39-544
- Snow and ice feedbacks prolong effects of nuclear winter. Robock, A., 1984, p.667-670, eng 39-551
- Surface emissivities in a boreal forest during snowmelt. Price, A.G., et al., 1984, p.45-51, eng 39-604
- Adaptations of *Luzula confusa* to the polar semi-desert environment. Addison, P.A., et al., 1984, p.121-132, eng 39-712
- Computer simulation of buoyancy and snow-cover effects in pulse dynamics. Outcalt, S.I., et al., 1984, p.259-263, eng 39-720
- Winter research. 1982, p.59-65, eng 39-951
- Thermal metamorphism of antarctic sea ice. Nazintsev, I.U.L., et al., 1984, p.23-29, rus 39-975
- Landscape as viewed in the 320-nm ultraviolet. Livingston, W., 1983, p.1653-1657, eng 39-1222
- Observations of ice thickness in daily regulated rivers. Laassen, O., 1984, p.315-323, eng 39-1288
- Snow as a factor in salt desert shrub vegetation. West, N.E., et al., 1983, p.376-379, eng 39-1353
- Hydrologic differentiation of taiga landscapes. Lebedev, A.V., 1984, p.80-82, rus 39-1493
- M1 winter tank test (traction devices). Final report. Smith, R.L., 1982, 38p, eng 39-1516
- Photogrammetry 1983/84 in western New Schwabenland. Sievers, J., et al., 1984, p.156-164, ger 39-1613
- Physical model for predicting the thermal conductivity of brine-wetted snow. Crocker, G.B., 1984, p.69-74, eng 39-1623
- Energy balance of tundra, sea surface, glaciers and forests in Arctic. Ohmura, A., 1984, p.221-228, eng 39-1732
- Weather effects of snow cover over NE Colorado. Johnson, R.H., et al., 1984, p.1141-1152, eng 39-1739
- Snow and living things. Pruitt, W.O., Jr., 1984, p.51-77, eng 39-2266
- Studies on the densification of snow as a pressure sintering process (1). Ebinuma, T., et al., 1984, p.153-161, jpn 39-2472
- Structural pattern in alpine tundra vegetation. Welden, C., 1985, p.120-134, eng 39-2757
- Monthly winter soil temperature at Ottawa. Dwyer, L.M., et al., 1985, p.109-122, eng 39-2758
- Temperature fluctuations in alpine bedrocks. Franco, B., 1983, p.27-38, fre 39-2820
- Conferences 1961 to 1981; bibliography. 1984, 163p, eng 39-2840
- Change in orientation of artillery-delivered anti-tank mines in snow. Bigl, S.R., 1984, 20p, eng 39-2917
- Winter ecology of small mammals. Merritt, J.F., ed., 1984, 380p, eng 39-2929
- Materials and methods of subnivean sampling. Schmid, W.D., 1984, p.25-32, eng 39-2930
- Light extinction under a changing snowcover. Marchand, P.J., 1984, p.33-37, eng 39-2931
- Plant production and its relation to climate and rodent density, Lapland. Euroala, S., et al., 1984, p.121-130, eng 39-2933
- Subnivean CO2 and its effects on small mammal distribution. Penny, C.E., et al., 1984, p.373-380, eng 39-2934
- XM-836 (SADARM) winter sensor tests. Grayling, Michigan. Bauerle, D.G., 1984, p.375-377, eng 39-2975
- Modeling the effects of a cold environment on screening smokes. Matine, B.K., 1984, p.417-433, eng 39-2981
- Albedo of a dissipating snow cover. Robinson, D.A., et al., 1984, p.1626-1634, eng 39-3142
- Air-cushion vessels. Liubimov, V.I., et al., 1984, 207p, rus 39-3329
- Snow effects on pile design temperatures. Metz, M.C., et al., 1985, p.52-60, eng 39-3882
- Influence of snow cover recession on an alpine ecological system. Keller, M., et al., 1985, p.1931-1936, eng 39-3713
- Role of snow cover in differentiation of landscape zones. Nefed'eva, E.A., et al., 1985, 143p, rus 39-3806
- Summer water budget and its importance in the alpine tundra of Colorado. Greenland, D., et al., 1984, p.221-239, eng 39-3893
- Water supply and waste disposal in Greenland and Antarctica. Reed, S.C., et al., 1985, p.344-350, eng 39-4025
- Temperature fluctuation in stable stratification above snow cover. Ishikawa, N., et al., 1984, p.69-78, jpn 39-4036
- Snow cover stability. Snow cover distribution in river basins. Kopyl, I.V., et al., 1984, p.70-78, rus 39-58
- Spatial variations in snow stability inferred from artillery control. Judson, A., et al., 1983, p.508-511, eng 39-212
- Avalanche formation in the BAM zone. Lapteva, N.I., 1984, p.62-66, rus 39-390
- Radar sounding of snow cover on avalanche slopes. Chizhov, A.N., 1984, p.93-96, rus 39-463
- Unusual forms of snow cover relief in Central Asian mountains. Ratsek, V.I., et al., 1984, p.24-27, rus 39-632
- Estimating snow stability on slopes, allowing for the effect of blasting. Fomin, A.G., et al., 1984, p.38-45, rus 39-634
- Snow-dust distribution during the triggering of firn-ice avalanches. Freifeld, V.I.A., et al., 1984, p.73-78, rus 39-637
- Criteria of snow avalanche formation. Bozhinskii, A.N., 1984, p.7-31, eng 39-1373
- Present state and prospects of studying snow avalanches in the USSR. Zalikhanov, M.Ch., et al., 1984, p.3-11, rus 39-1699
- Glaciers, snow cover and avalanches in the mountains of Kazakhstan. Tokmagambetov, G.A., ed., 1983, 207p, rus 39-1915
- Formulas for calculating avalanche danger. Kolesnikov, E.I., 1983, p.149-162, rus 39-1928
- Meteorological factors in the formation of catastrophic avalanches. Vetrov, N.A., et al., 1983, p.165-176, rus 39-1929
- Avalanche formation on the Talestkiy and Ugamskiy ranges. Borcheninova, T.M., et al., 1984, p.122-128, rus 39-2258
- Comparing the characteristics of stable snow and solid atmospheric precipitation. Loktionova, E.M., et al., 1984, p.74-81, rus 39-2375
- Avalanche formation on eroded shore slopes. Miagkov, S.M., et al., 1984, p.109-114, rus 39-2775
- Snow stability index. Conway, H., et al., 1984, p.321-327, eng 39-3782
- Behavior of a snow cover on mountain slope. Yoshida, Z., 1984, p.1-14, jpn 39-4031
- Snow cover on mountain slope. Yoshida, Z., 1984, p.15-31, jpn 39-4032
- Stresses in snow cover on mountain slope. Yoshida, Z., 1984, p.33-47, jpn 39-4033
- Poisson's ratio of snow on mountain slope. Ohizumi, M., et al., 1984, p.59-67, jpn 39-4038
- Snow cover stratification. See: Snow stratigraphy
- Snow cover structure. Structural investigations of snow and ice on core III from the drillhole on Vernagferner, Austria, in 1979. Goud, W., 1983, p.53-64, eng 39-48
- Structural and density characteristics of slab avalanches. Bolov, V.R., 1984, p.42-44, rus 39-294
- Method of calculating subnivean recrystallization of snow. Kolomoyn, E.G., 1984, p.45-55, rus 39-298
- Vertical water vapor migration in snow. Drishin, V.V., 1984, p.55-65, rus 39-296
- Methods of determining the mechanical characteristics of snow. Mazur, A.I., et al., 1983, p.95-98, eng 39-886

- Snowfall, snow physics and avalanches, Craigieburn Range, New Zealand.** Prowse, T.D., et al, [1984, p.107-118, eng] 39-609
- Stability of larger snow fields in glacier basins.** Pertuisier, F.I., [1984, p.17-24, rus] 39-631
- Unusual forms of snow cover relief in Central Asian mountains.** Rataek, V.I., et al, [1984, p.24-27, rus] 39-632
- Role of sublimational processes in avalanche formation.** Brukhanda, V.I., et al, [1984, p.59-73, rus] 39-636
- Snow-dust distribution during the triggering of firm-ice avalanches.** Freifeld, V.I.A., et al, [1984, p.73-78, rus] 39-637
- Age difference between polar ice and trapped air bubbles.** Schwander, J., et al, [1984, p.45-47, eng] 39-680
- Studying the emissivity of ice and snow covers.** Belich, R.B., [1984, p.91-102, rus] 39-1134
- Variations in snow cover density, structure and physico-mechanical properties.** Girovka, N.N., [1983, p.118-127, rus] 39-1925
- Snowpack ground truth measurements: 1. Overview.** Gimmetstad, G.G., et al, [1984, p.123-137, eng] 39-2956
- Snow structure and depth hoar formation on Mizuho Plateau.** Nishimura, H., et al, [1984, p.137-146, eng] 39-3456
- Air permeability as a textural indicator of snow.** Conway, H., et al, [1984, p.328-333, eng] 39-3783
- Snow cover thickness**
See: Snow depth
- Snow creep**
Studies on the densification of snow as a pressure sintering process (1). Ebinuma, T., et al, [1984, p.153-161, jpn] 39-2472
- Snow crystal growth**
Growth processes of snow. Lo, K.K., [1983, 192p., eng] 39-744
Comments on "Theory of metamorphism of dry snow" by S.C. Colbeck. Sommerfeld, R.A., [1984, p.4963-4965, eng] 39-763
Isotopic effects during snow formation. Jouzel, J., et al, [1984, p.11,749-11,757, eng] 39-1407
Forms of snow crystals growing from frozen cloud droplets. Yamazaki, G., et al, [1984, p.190-192, eng] 39-1737
Snow characterization at SNOW-ONE-B. Berger, R.H., et al, [1983, p.155-195, eng] 39-1955
Crystal growth in ice and snow. Alley, R.B., [1984, p.73-74, eng] 39-2949
Low temperature growth forms and mechanisms of single snow crystals. Gonda, T., et al, [1984, p.87-95, eng] 39-3450
- Snow crystal structure**
Cubic ice, snowflakes and rare-gas solids. Kieft, H., et al, [1984, p.1419-1420, eng] 39-653
Infrared analysis of free water content of snow. Lammasniemi, J., et al, [1984, p.1.31-1.41, eng] 39-1280
Forms of snow crystals growing from frozen cloud droplets. Yamazaki, G., et al, [1984, p.190-192, eng] 39-1737
Snow characterization at SNOW-ONE-B. Berger, R.H., et al, [1983, p.155-195, eng] 39-1955
AFGL snow characterization measurements at SNOW-ONE-B: preliminary analysis. Berthel, R.O., et al, [1983, p.197-208, eng] 39-1956
Snowflakes of cold temperature types. Fujiyoshi, Y., et al, [1984, p.295-305, eng] 39-2049
Snow characterization measurements from SNOW-TWO/Smoke Week VI. Main, B.A., et al, [1984, p.95-103, eng] 39-2953
Performance of microprocessor-controlled snow crystal replicator. Koh, G., [1984, p.107-111, eng] 39-2954
Approach to snow propagation modeling. Koh, G., [1984, p.247-259, eng] 39-2965
Forward-scattering corrected extinction by nonspherical particles. Bohren, C.F., et al, [1984, p.261-271, eng] 39-2966
Test of the Holt approximation for forward scattering of millimeter waves by stellar dendrites. Goedecke, G.H., et al, [1984, p.273-277, eng] 39-2967
Millimeter wave extinction and cross-polarization by stellar dendrites. O'Brien, S.G., et al, [1984, p.279-288, eng] 39-2968
- SNOW-ONE-A and B characterization measurements and data analysis.** Berthel, R.O., et al, [1983, 60p., eng] 39-3899
- Experiments on aerosol scavenging by natural snow crystals. Parts 1 & 2.** Murakami, M., et al, [1985, p.119-135, eng] 39-3929
- Case studies of snow clouds by means of snow crystal sondes.** Irikawa, S., et al, [1984, p.101-112, jpn] 39-4039
- Snow crystals**
Elemental compositions and concentrations of microspherules in snow and pack ice from the Weddell Sea. Kumai, M., et al, [1983, p.128-131, eng] 39-307
Solar radiative impacts of soot in aerosols, clouds and snow. Ramaswamy, V., [1982, 229p., eng] 39-1406
- Snowpack ground truth measurements: 1. Overview.** Gimmetstad, G.G., et al, [1984, p.123-137, eng] 39-2956
- Adsorption of organic substances on dispersed ice surfaces.** Fedoseeva, V.I., et al, [1985, p.124-127, rus] 39-3363
- Snow deformation**
Vertical water vapor migration in snow. Dziuba, V.V., [1984, p.55-65, rus] 39-296
- Snow density**
Snow cover distribution in river basins. Kopyl, I.V., et al, [1984, p.70-78, rus] 39-38
Structural investigations of snow and ice on core III from the drilling on Vernaghtferner, Austria, in 1979. Good, W., [1983, p.53-64, eng] 39-48
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Estimating snow stability on slopes, allowing for the effect of blasting. Fomin, A.G., et al, [1984, p.38-45, rus] 39-634
Vane shear strength of snow. 1. Effect of vane angular velocity. Kuriyama, H., [1984, p.101-108, jpn] 39-773
Regional and seasonal variations in snow-cover density in the U.S.S.R. Bilello, M.A., [1984, 70p., eng] 39-1140
Deceleration of projectiles in snow. Albert, D.G., et al, [1982, 29p., eng] 39-1271
Snow cover characteristics in arid grazing areas of Uzbekistan. Babushkin, O.L., [1978, p.67-75, rus] 39-1337
Snow cover in the central economic region. Miachkova, N.A., et al, [1984, p.55-59, rus] 39-1387
Studies on the densification of snow as a pressure sintering process (1). Ebinuma, T., et al, [1984, p.153-161, jpn] 39-2472
Light extinction under a changing snowcover. Marchand, P.J., [1984, p.33-37, eng] 39-2931
Snowpack ground truth measurements: 3. Snowpack profile characterization. Harrison, W.L., [1984, p.153-160, eng] 39-2958
Snow structure and depth hoar formation on Mizuho Plateau. Nishimura, H., et al, [1984, p.137-146, eng] 39-3456
Snow profiles and avalanche activity in the Cairngorm Mountains, Scotland. Ward, R.G.W., et al, [1985, p.18-27, eng] 39-3720
An equation of profile of snow drift density during snowfall. Kobayashi, S., [1984, p.79-83, jpn] 39-4037
- Snow depth**
Snow cover distribution in river basins. Kopyl, I.V., et al, [1984, p.70-78, rus] 39-38
Morphology and environment of some periglacial features on South Georgia. Heilbronn, T.D., et al, [1984, p.21-36, eng] 39-138
Sea-ice and snow-cover data availability, needs and problems. Barry, R.G., et al, [1984, p.9-15, eng] 39-164
Radar reflections from layers with rough boundaries. Iluft, G.A., [1984, p.37-51, rus] 39-462
Radar sounding of snow cover on avalanche slopes. Chizhov, A.N., [1984, p.93-96, rus] 39-463
Snow cover data, winter 1982-83. [1984, 44p., eng] 39-531
Methods of determining the mechanical characteristics of snow. Mazur, A.I., et al, [1983, p.95-98, eng] 39-586
Unusual forms of snow cover relief in Central Asian mountains. Rataek, V.I., et al, [1984, p.24-27, rus] 39-632
Snow resources of the Pamir-Alay Mountains. Getker, M.I., [1984, p.27-37, rus] 39-633
Estimating snow stability on slopes, allowing for the effect of blasting. Fomin, A.G., et al, [1984, p.38-45, rus] 39-634
Mountain snowcover model for Crater Lake National Park, OR. Hamilton, W.L., et al, [1982, p.83-95, eng] 39-659
Snow depth in the mid-western U.S. from SMMR data. Hall, D.K., et al, [1984, p.1-8, eng] 39-815
Predicting wheeled vehicle motion resistance in shallow snow. Blaisdell, G.L., [1981, 18p., eng] 39-872
Possibility of calculating snow loads for the USSR. Karapet'ants, E.M., [1983, p.44-51, rus] 39-908
Regional and seasonal variations in snow-cover density in the U.S.S.R. Bilello, M.A., [1984, 70p., eng] 39-1140
Snow stick, a new device for monitoring snow depth. Ostrem, G., [1984, p.1.71-1.78, eng] 39-1283
Snow cover characteristics in arid grazing areas of Uzbekistan. Babushkin, O.L., [1978, p.67-75, rus] 39-1337
Snow cover in the central economic region. Miachkova, N.A., et al, [1984, p.55-59, rus] 39-1387
Alaska's snow. Benson, C.S., [1980, p.202-205, eng] 39-1399
Hydroclimatic conditions of the Amur River region. Naprasnikov, A.T., et al, [1983, 68p. + 15 maps, rus] 39-1449
Hydrologic differentiation of taiga landscapes. Lebedev, A.V., [1984, p.80-82, rus] 39-1493
- Continental taiga of eastern Alaska. Report No.1.** Iurtsev, B.A., [1984, p.117-127, rus] 39-1546
Forecasting snow and black ice growth from temperature and precipitation. Bengtsson, L., [1984, p.173-185, eng] 39-1766
Estimating the degree of avalanche danger. Blagoveshchenskii, V.P., [1983, p.138-148, rus] 39-1927
Calculating spring flood water from satellite photographs. Vostriakova, N.V., [1984, p.85-88, rus] 39-1975
Calculating snow reserves in the Abramov glacier basin. Zhidkov, V.A., [1984, p.174-178, rus] 39-2785
Radar measurements of snowcover thickness. Bogorodskii, V.V., et al, [1984, p.598-599, eng] 39-2924
Studies of snow accumulation characteristics on Himalayan slopes. Bagchi, A.K., [1980, p.153-156, eng] 39-3132
Microwave emission properties of snow for monitoring hydrological parameters. Schanda, E., et al, [1980, p.157-161, eng] 39-3133
Microwave emission contrast between fresh-water ice and water. Malyschenko, I.U.I., et al, [1984, p.513-519, eng] 39-3509
- Snow disposal**
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- Snow drifts**
See: Snowdrifts
- Snow electrical properties**
Electrification accompanying melting of ice and snow. Selvikian, I.A.V., [1984, p.51-54, rus] 39-460
Dielectric properties of snow. Stiles, W.H., et al, [1982, p.91-103, eng] 39-1718
Measuring the liquid water content of snow. Marbouty, D., et al, [1985, 30p., fre] 39-1722
Workshop on the Properties of Snow, 1981. [1981, 135p., eng] 39-2258
Electrical properties of snow. Stiles, W.H., et al, [1981, p.91-103, eng] 39-2259
Electrical, optical and acoustical properties of snow. Gubler, H., [1981, p.111-124, eng] 39-2260
Dielectric behavior of snow in the 3-37 GHz range. Hallikainen, M., et al, [1984, p.169-174, eng] 39-2534
Electromagnetic transmission in falling snow. Dyer, R.M., [1984, 33p., eng] 39-2920
Dielectric measurements and modeling snow in the 3- to 37-GHz range. Hallikainen, M., et al, [1984, p.201-220, eng] 39-2962
Backscatter from snow at mm wavelengths. Branscum, J., et al, [1984, p.221-231, eng] 39-2963
Satellite microwave radiometry of snow cover. Hallikainen, M., [1985, p.1404-1414, eng] 39-3708
- Snow evaporation**
Seasonal movements of air masses in the Martian atmosphere. Aleshin, V.I., [1981, p.614-617, eng] 39-1598
- Snow fences**
Self-orienting snow or sand barrier. Taillandier, J.M., [1984, p.25-32, fre] 39-497
Protective structures in terrain stabilization. Schiechl, H.M., [1973, 244p., ger] 39-661
Living snowfence. Koehlmoss, L.A., [1983, p.23-24, eng] 39-768
Snowdrifts and corrective actions on the Dempster Highway, N.W.T. [1981, 6p. + figs., eng] 39-1178
Prevention of avalanches with arrangements of snow supporting structures on mountain slopes. Bozhinskii, A.N., [1984, p.33-51, eng] 39-1374
In-depth study of snow fences. Tabler, R.D., et al, [1982, p.42-44, eng] 39-1662
- Snow gages**
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Laboratory tests of a motorized snow surface hardness gage. Martinelli, M. Jr., et al, [1985, p.133-140, eng] 39-2556
- Snow houses**
Snowcraft/survival school: learning to work in Antarctica. Lasorsa, D.P., et al, [1984, p.5-9, eng] 39-378
Winter shelters. [1984, 40p. + 80 slides, eng] 39-2569
Snow can also warm. Vasil'ev, V., [1984, p.63-64, rus] 39-3731
- Snow hydrology**
Hydrology of a drainage basin in the Canadian high Arctic. Woo, M., [1983, p.577-596, eng] 39-866
General hydrology (hydrology of dry land). Bogoslovskii, B.B., et al, [1984, 422p., rus] 39-1136
Landsat-D investigations in snow hydrology. Dozier, J., [1983, 2p., eng] 39-1236
Proceedings. Role of snow and ice in northern basin hydrology. [1984, 5 sections, eng] 39-1278
Contribution to the calculation of the snow accumulation and snowmelt runoff in a mountain catchment area. Babiakova, G., [1984, p.5.15-5.40, eng] 39-1293
Analytical approach for determining snowmelt induced runoff. Bengtsson, L., [1984, p.5.41-5.58, eng] 39-1294
Hydrologic differentiation of taiga landscapes. Lebedev, A.V., [1984, p.80-82, rus] 39-1493

Snow hydrology (cont.)

- Snowmelt infiltration in frozen Prairie soils. Granger, R.J., et al., (1984, p.669-677, eng) 39-2087
- LANDSAT-D investigations in snow hydrology. Dozier, J., (1984, 6p., eng) 39-2089
- Data generated from Alaskan hydropower development. Bredthauer, S.R., et al., (1983, p.6(1)-6(32), eng) 39-2443
- Alaska's water: a critical resource; proceedings. Bredthauer, S.R., ed., (1984, 218p., eng) 39-2445
- Precipitation determination in glacierized mountains. Aellen, M., (1985, p.97-105, ger) 39-2998
- Contribution of space observations to water resources management. (1980, 280p., eng) 39-3128
- Problems of snow cover assessment: an approach using remote sensing techniques in a pilot project in the Beas River basin, Himachal Pradesh, India. Vohra, C.P., et al., (1980, p.139-142, eng) 39-3130
- Microwave emission properties of snow for monitoring hydrological parameters. Schanda, E., et al., (1980, p.157-161, eng) 39-3133
- Snow ice**
- Cylindrical ice found in snow cover on Murodo Daira, Mt. Tateyama. Kamiishi, I., et al., (1984, p.59-61, jpn) 39-496

Snow ice interface

- Physical model for predicting the thermal conductivity of brine-wetted snow. Crocker, G.B., (1984, p.69-74, eng) 39-1623
- Transitional forms between snowpatch and glacier. Lindh, L., (1984, p.143-156, eng) 39-2564
- Characteristics of snow cover on sea ice and formation of snow ice II. Takizawa, T., (1984, p.157-161, jpn) 39-4044

Snow impurities

- Impurities in snow: effects on albedo and snowmelt (review). Warren, S.G., (1984, p.177-179, eng) 39-194
- Model for pollutant concentrations during snow-melt. Hibberd, S., (1984, p.58-65, eng) 39-243
- Nature and extent of acid snowpacks in Pennsylvania. Dewalle, D.R., et al., (1983, 35p., eng) 39-743
- Separation of solids from snow-water mixture. Umemura, T., et al., (1984, p.121-128, jpn) 39-775
- Empirical relationship between dust content and Arctic snow albedo. Woo, M., et al., (1985, p.125-132, eng) 39-2555
- Inflow of heavy-metal aerosols into southern taiga landscapes of the central Ural mountains. Mel'chakov, I.U.L., (1985, p.80-82, rus) 39-3109
- Snow impurities in Eastern Canada, 1980-1981. Barrie, L.A., et al., (1984, p.1459-1469, eng) 39-3371

Snow line

- Mathematical model of high-altitude permafrost distribution. Cheng, G., et al., (1983, p.1-7, chi) 39-261
- Albedo values of Caucasus measured during 1953-1978. Samukashvili, R.D., (1984, p.123-128, rus) 39-302
- Mean position of the snow cover boundaries in the Northern Hemisphere. Budoyt, V.D., et al., (1983, p.80-90, eng) 39-587
- Pleistocene and modern snow accumulation patterns, San Juan Mountains, CO. Leonard, E.M., (1984, p.65-76, eng) 39-606
- Using satellite information on the seasonal snow-line elevation in hydrologic forecasts of Central Asian rivers. Chernov, V.I.U., (1984, p.3-14, rus) 39-629
- Seasonal variations in high-altitude vegetation of Tien Shan. Lynov, I.U.S., (1984, p.86-96, rus) 39-672
- General hydrology (hydrology of dry land). Bogoslovskii, B.B., et al., (1984, 422p., rus) 39-1136
- Glacial mudflows in the Himalayas. Sen'kovskaya, N.F., (1984, p.81-87, rus) 39-1388
- Quantitative analysis of snow-line zonality. Jiang, Z., (1984, p.27-35, chi) 39-1537
- Use of aerial and satellite information in studying continental waters. Usachev, V.F., ed., (1984, 125p., rus) 39-1687
- Chronologic changes in snow line position from satellite photographs. Prokacheva, V.G., et al., (1984, p.20-28, rus) 39-1689
- Problems of physical geography. Selected works. Kalesnik, S.V., (1984, 288p., rus) 39-2220
- Generation of the snowline. Bagchi, A.K., (1983, p.1679-1689, eng) 39-2236
- Glacier regime and dynamics reflected in the firn line position. Chernova, L.P., (1984, p.189-192, rus) 39-2789
- Studies of snow accumulation characteristics on Himalayan slopes. Bagchi, A.K., (1980, p.153-156, eng) 39-3132

Snow loads

- Snow loads on double-sloping gabled roofs (discussion). Neverov, I.A., et al., (1984, p.15-17, rus) 39-431
- Variation of ground snow loads with elevation in Southern British Columbia. Claus, B.R., et al., (1984, p.480-493, eng) 39-877
- Secondary stress within the structural frame of DYE-3: 1978-1983. Ueda, H., et al., (1984, 44p., eng) 39-1138

- Determining snow avalanche load on a structure by physical modeling. Iakimov, I.U.L., et al., (1984, p.159-164, eng) 39-1380
- Assessment of design snow loads. Gräner, M., (1983, p.1-5, ger) 39-1580
- Probability models for annual extreme water-equivalent ground snow. Ellingwood, B., et al., (1984, p.1153-1159, eng) 39-1740
- Winter observations of snow loads on metal elements of buildings. Okulov, P.D., (1984, p.8-12, rus) 39-1977
- Protecting electric power sub-stations from snowdrifts. Malevannia, N.G., et al., (1984, p.42-44, rus) 39-2103
- Drift snow loads on multilevel roofs. O'Rourke, M.J., et al., (1985, p.290-306, eng) 39-2512
- Snow and ice effects on structures. Booth, R.L., (1984, p.127-138, eng) 39-2689
- Snow loads on some types of three-dimensional covers. Ledovskoi, I.V., et al., (1985, p.5-10, rus) 39-2882
- Temporal and spatial variation of snow pressure on structures. Larsen, J.O., et al., (1985, p.166-171, eng) 39-3684
- Snow loads on sloping roofs: two pilot studies in the Ottawa area. Taylor, D.A., (1985, p.334-343, eng) 39-4024

Snow mechanics

- Theoretical and practical aspects of snow transfer by wind. Brugnot, G., (1984, p.29-38, fre) 39-500
- Strength of a buried snow surface. Sommerfeld, R.A., (1984, 6p., eng) 39-1207
- Soviet avalanche research. Avalanche bibliography update: 1977-1983. (1984, 300p., eng) 39-1372
- Mechanism of the interaction of a moving snow mass with a fixed obstacle. Shurova, I.E., (1984, p.129-152, eng) 39-1378
- Nature of an air wave caused by a snow avalanche. Iakimov, I.U.L., et al., (1984, p.153-157, eng) 39-1379
- Snowrollers. Tam, F.M., (1982, p.276-277, eng) 39-1402
- Workshop on the Properties of Snow, 1981. (1981, 135p., eng) 39-2258
- Snow avalanche frequency and velocity for the Kananaskis Valley in the Canadian Rockies. Johnson, E.A., et al., (1985, p.141-151, eng) 39-2557
- Supplement to Anno's modelling conditions for a snowdrift. Anno, Y., (1985, p.193-195, eng) 39-2562
- Photography of transport rate effects in blowing sand and snow. Iversen, J.D., (1982, p.509-513, eng) 39-3265
- Behavior of a snow cover on mountain slope. Yoshida, Z., (1984, p.1-14, jpn) 39-4031
- Snow sliding and crack formation on mountain snow slopes. Akitaya, E., et al., (1984, p.49-57, jpn) 39-4034

Snow melting

- "Sun spirals" on melting snow. Jahn, A., (1984, p.120-122, eng) 39-251
- Electrification accompanying melting of ice and snow. Selvikian, I.A.V., (1984, p.51-54, rus) 39-460
- Global formulas of A.N. Krenke and V.G. Khodakov for calculating snow melting. Pertsiger, F.I., et al., (1984, p.14-16, rus) 39-630
- Stability of larger snow fields in glacier basins. Pertsiger, F.I., (1984, p.17-24, rus) 39-631
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- Calculating glacier ablations from mean summer air temperature. Shchetinnikov, A.S., et al., (1984, p.98-104, rus) 39-640
- Increased snow melting due to longwave radiation from snowfree ground. Roland, E., (1984, p.5.117-5.125, eng) 39-1299
- Melting of snow pellets in the atmosphere. Matsuo, T., et al., (1982, p.55-64, eng) 39-1658
- Observing snow melting in industrial centers. Prokacheva, V.G., et al., (1984, p.28-36, rus) 39-1690
- Snow melting using heat pipes. Tanaka, O., et al., (1982, p.11-23, eng) 39-2909
- Estimates of future sea level rise. Hoffman, J.S., (1984, p.79-103, eng) 39-2992
- Processes and imagery of first-year fast sea ice during the melt season. Holt, B., et al., (1983, p.5045-5062, eng) 39-3437
- Snow-melting system, 9th Street and I 64, Louisville. Azevedo, W.V., (1982, 31p., eng) 39-3717
- Thermodynamic sea ice model. Shine, K.P., et al., (1985, p.2243-2250, eng) 39-3998
- Chilean low coast and accurate remote sensing technology. Araya F., M., (1984, p.85-90, eng) 39-4069

Snow metamorphism

See: Metamorphism (snow)

Snow models

- Determining snow avalanche load on a structure by physical modeling. Iakimov, I.U.L., et al., (1984, p.159-164, eng) 39-1380
- Helicopter-lifted snow model for EOSAEL. Buribaw, E., et al., (1984, p.311-322, eng) 39-2970

Snow optics

- Shortwave flux over snow and ice cover. Shine, K.P., (1984, p.747-764, eng) 39-144

- Precipitation rate and extinction in falling snow. Seagraves, M.A., (1984, p.1827-1835, eng) 39-598
- Microwave emission from an irregular snow layer. Eom, H.J., et al., (1983, p.423-437, eng) 39-731
- Snow reflectance from LANDSAT-4 thematic mapper. Dozier, J., (1984, p.323-328, eng) 39-779
- Spectral albedo of snow and ice. Kuhn, M., et al., (1982, p.282-283, ger) 39-1217
- Colors of snow, frozen waterfalls, and icebergs. Bohren, C.F., (1983, p.1646-1652, eng) 39-1221
- Spectral reflection of snow, ice and water. Zeng, Q., et al., (1984, p.647-656, eng) 39-2085
- Workshop on the Properties of Snow, 1981. (1981, 135p., eng) 39-2258
- Electrical, optical and acoustical properties of snow. Gubler, H., (1981, p.111-124, eng) 39-2260
- Empirical relationship between dust content and Arctic snow albedo. Woo, M., et al., (1985, p.125-132, eng) 39-2555
- Light extinction under a changing snowcover. Marchand, P.J., (1984, p.33-37, eng) 39-2931
- Light conditions and plant growth under snow. Salisbury, F.B., (1984, p.39-50, eng) 39-2932
- SMART measurements at SNOW-TWO. Crow, S.B., et al., (1984, p.53-72, eng) 39-2948
- Spectral reflection of snow cover. Cao, M., et al., (1984, p.15-26, chi) 39-3513
- Snow pellets**
- Scattering properties of ice and snow in clouds. Moninger, W.R., et al., (1984, p.149-156, eng) 39-1250
- Melting of snow pellets in the atmosphere. Matsuo, T., et al., (1982, p.55-64, eng) 39-1658
- Snow permeability**
- Freezing of meltwater in a snow cover. Marsh, P., et al., (1984, p.1853-1874, eng) 39-1318
- Air permeability as a textural indicator of snow. Conway, H., et al., (1984, p.328-333, eng) 39-3783
- Snow physics**
- Snow physics, avalanches, mudflows. Zalikhanov, M.Ch., ed., (1984, 156p., rus) 39-288
- Method of calculating sublimational recrystallization of snow. Kolomyts, E.G., (1984, p.45-55, rus) 39-295
- Euromech Colloquium 172: Mechanics of Glaciers, Interlaken, 19-23 September, 1983. Hutter, K., et al., (1984, p.77-86, eng) 39-333
- Use of microwave FMCW radar in snow and avalanche research. Gubler, H., et al., (1984, p.109-119, eng) 39-336
- Radio wave attenuation in snowfall. Babkin, I.U.S., et al., (1971, p.2171-2174, eng) 39-357
- Methods of determining the mechanical characteristics of snow. Mazur, A.I., et al., (1983, p.95-98, eng) 39-586
- Rain and ice depolarization measurements at 4 GHz in Sitka, Alaska. Struharik, S.J., (1983, p.403-435, eng) 39-732
- Short wavelength signals propagating through rain, snow and turbid media. Kazovsky, L.G., et al., (1983, p.706-710, eng) 39-1066
- Studying the emissivity of ice and snow covers. Belich, R.B., (1984, p.91-102, rus) 39-1134
- Wave propagation in snow. Brown, R.L., et al., (1984, p.699-723, eng) 39-1146
- Millimeter wave land clutter model. Currie, N.C., et al., (1982, p.385-389, eng) 39-1148
- Scattering properties of ice and snow in clouds. Moninger, W.R., et al., (1984, p.149-156, eng) 39-1250
- Additional observations on the snow to be considered when skiing. Palouso, E., et al., (1984, p.143-149, eng) 39-1281
- Freezing of meltwater in a snow cover. Marsh, P., et al., (1984, p.1853-1874, eng) 39-1318
- Snow physics, avalanches, glacial mudflows. Zalikhanov, M.Ch., ed., (1984, 160p., rus) 39-1698
- Present state and prospects of studying snow avalanches in the USSR. Zalikhanov, M.Ch., et al., (1984, p.3-11, rus) 39-1699
- Snow deformation at its impact against different obstacles. Kariakin, A.T., et al., (1984, p.34-37, rus) 39-1704
- Workshop on the Properties of Snow, 1981. Brown, R.L., ed., (1982, 135p., eng) 39-1717
- Hydrothermal regime of snow cover in low-mountain landscapes. Pavlov, V.N., (1977, p.182-195, rus) 39-1905
- Workshop on the Properties of Snow, 1981. (1981, 135p., eng) 39-2258
- Propagation of visible and infrared radiation by fog, rain, and snow. Winchester, L.W., Jr., et al., (1982, 97p., eng) 39-2829
- Snow Symposium, 4th, Hanover, NH, Vol.1. (1984, 433p., eng) 39-2944
- Snowpack ground truth measurements: 1. Overview. Gimmetstad, G.G., et al., (1984, p.123-137, eng) 39-2956
- Overview of meteorological and snow cover characterization at SNOW-TWO. Bates, R.E., et al., (1984, p.171-191, eng) 39-2960
- Dielectric measurements and modeling snow in the 3- to 37-GHz range. Hallikainen, M., et al., (1984, p.201-220, eng) 39-2962

- Discrete reflections from thin layers of snow and ice. Jelek, K.C., et al. (1984, p.323-331, eng) 39-2971
- Snow recrystallization**
- Snow physics, avalanches, mudflows. Zalikhanov, M.Ch., ed. (1984, 156p., rus) 39-288
- Method of calculating sublimational recrystallization of snow. Kolomyts, E.G., (1984, p.45-55, rus) 39-295
- Variations in snow cover density, structure and physico-mechanical properties. Girovka, N.N., (1983, p.118-127, rus) 39-1925
- See also: Metamorphism (snow)
- Snow removal**
- Keeping America's roads safe during winter. Atkinson, J., (1984, p.56-58, 62, eng) 39-93
- Removing snow with refuse trucks. (1984, p.61, eng) 39-94
- Hydraulic conveying of snow. 2. Snow feeder to pipelines. Umemura, T., et al. (1984, p.51-58, jpn) 39-495
- Specification guide for snow removal vehicles for rail transit systems. King, C., et al. (1983, 165p., eng) 39-539
- Snow control study for Dempster Highway cut at mile 292.5. Williams, C.J., et al. (1978, 3p. + 8 figs., eng) 39-727
- Road maintenance equipment in equipment fleets. Nuty, A., (1983, p.15-28, fre) 39-770
- Snow and ice removal equipment KO-705SL. Zuev, G.I.A., et al. (1984, p.16-17, rus) 39-826
- DE-210A snowplow. Kasinov, B.N., et al. (1984, p.21, rus) 39-827
- KO-707SL snow and ice removal plows. (1984, p.23, rus) 39-828
- Winter maintenance of signaling, interlocking and blocking devices in winter. Shit'zman, M.A., et al. (1984, 72p., rus) 39-1239
- Field evaluation of snowplowable pavement markers. Pigman, J.G., et al. (1983, p.18-24, eng) 39-1645
- In-depth study of snow fences. Tabler, R.D., et al. (1982, p.42-44, eng) 39-1662
- Private forecaster's role in snow fighting. Myers, B.L., et al. (1982, p.54-55, eng) 39-1665
- Salt and spreaders: dynamic duo battles snow and ice. (1984, p.114-115, eng) 39-1738
- Technology, cost and organization of urban winter road service. Pezzetti, G., et al. (1984, p.34-43, ita) 39-2047
- Readiness key to snow program. (1984, p.16-17, eng) 39-2050
- Winter maintenance of streets in Italy. Canovi, L., (1985, p.32-36, ita) 39-2667
- Flexible ice-shedding pavement salt alternative test begins in Minnesota. (1985, p.21, eng) 39-2716
- Guide to winter maintenance equipment and materials. (1984, p.15-37, eng) 39-2729
- Calculating the intensity of snow removal work. Ivanov, V.D., (1985, p.12, rus) 39-2855
- Highway snow and ice control: state-of-the-art. Gustafson, K., (1984, 102p., swe) 39-2870
- Developments, aims and possibilities of winter service on federal highways. Kuhle, H., (1985, p.63-68, ger) 39-2889
- Snowfighters face many challenges. Atkinson, J., (1985, p.74-84, eng) 39-3032
- Frost resistant substances for seam-grouting at airports. Bobrov, G., (1985, p.36-37, rus) 39-3261
- Snow-melting system, 9th Street and I 64, Louisville. Azevedo, W.V., (1982, 31p., eng) 39-3717
- Improving the working tool of an endless-screw snowplow. Polivanov, I.U.P., et al. (1984, p.24-25, rus) 39-3773
- Highway snow and ice control. State-of-the-art. Gustafson, K., (1985, 124p., eng) 39-3794
- Aircraft deicing apparatus. Cook, V.H., (1971, 8 col. + figs., eng) 39-3841
- Protecting pavement or concrete materials against the effects of the destructive action of freezing and thawing of water or brine solutions. Hansen, C.N., (1978, 24 col., eng) 39-3852
- Ice and snow control by mineral material and skid resistance. Hoffmann, G., et al. (1985, p.139-146, ger) 39-3894
- Ice and snow control without salt on streets. Hoffmann, G., et al. (1985, p.205-210, ger) 39-3895
- Winter maintenance of roads during considerable snowdrifting. Filipov, I.V., (1983, p.10-12, rus) 39-3918
- Method and composition for improving safety of aircraft runways. Moore, W.P., et al. (1976, 18p., eng) 39-3970
- Anti-icer and de-icer compositions. Baiker, J.C., et al. (1975, 14p., eng) 39-3971
- De-icing composition and process for preparation. Rippie, W., (1983, 9p., eng) 39-3979
- Treating slippery surfaces on snow and ice. Straub, R., (1982, 6p., ger) 39-3980
- Preventing slippery surface on snow and ice. Hieke, E., (1974, 4 col. + figs., ger) 39-4010
- Spreading agent for reducing slipperiness on snow and ice. Warner, J., et al. (1983, 6p., ger) 39-4013
- Spreading agent for slippery surfaces on snow and ice. Budich, M., (1982, 4p., ger) 39-4014
- Spreading agent for icy and snowy roads. Fresenius, W., (1972, 4p., ger) 39-4019
- Snow retention**
- Calculating snow transfer toward roads. Gladysheva, I.A., et al. (1984, p.11, rus) 39-2854
- Snow roads**
- Baykal Amur railroad: the first decade. Aganbegian, A.G., ed. (1984, 208p., rus) 39-1408
- Baykal Amur railroad at the last stage of construction. Mokhortov, K.V., (1984, p.29-38, rus) 39-1409
- Transportation of construction materials and equipment in the Arctic. Sorochenko, A.I.A., (1985, p.9-10, rus) 39-2027
- Thorough preparation for winter. Briik, M.I., (1984, p.2-3, rus) 39-2105
- Rules for the development of united regional appraisals for structures and construction work. (1985, 156p., rus) 39-2516
- Automation in organizing railroad construction. Pershin, S.P., ed. (1983, 116p., rus) 39-2823
- Railroad construction in paludal northern taiga. Klenov, V.V., (1983, p.104-106, rus) 39-2827
- Use of snow airfields in Antarctica for determination of accumulation rate and atmospheric precipitation. Diurigerov, M.B., et al. (1985, p.87-93, rus) 39-2896
- Construction of ports. Goncharov, V.V., (1985, p.23-24, rus) 39-3120
- Snow rubber friction**
- See: Rubber snow friction
- Snow slides**
- Structural and density characteristics of slab avalanches. Bolov, V.R., (1984, p.42-44, rus) 39-294
- Sliding of a snow slab past a retaining structure. Bozhinski, A.N., (1984, p.53-62, eng) 39-1375
- Snow sense: a guide to evaluating avalanche hazard. Fredston, J.A., et al. (1984, 45p., eng) 39-1970
- Snow sliding and crack formation on mountain snow slopes. Akitaya, E., et al. (1984, p.49-57, jpn) 39-4034
- Snow stabilization**
- See: Snow cover stability
- Snow stratigraphy**
- Structural investigations of snow and ice on core III from the drilling on Vernagtferner, Austria, in 1979. Good, W., (1983, p.53-64, eng) 39-48
- Stability of larger snow fields in glacier basins. Pertsiger, F.I., (1984, p.17-24, rus) 39-631
- Studies of ice formation and ice fabric on the Law Dome, Antarctica. Xie, Z., (1984, p.1-22, chi) 39-930
- Variations in snow cover density, structure and physico-mechanical properties. Girovka, N.N., (1983, p.118-127, rus) 39-1925
- Possibility of joint application of nivometric and stratigraphic methods of measuring accumulation for more accurate determination of accumulation rate in the central areas of Antarctica. Diurigerov, M.B., et al. (1985, p.82-86, rus) 39-2895
- Isotopic diffusion in cold snow and firn. Whillans, I.M., et al. (1985, p.3910-3918, eng) 39-2989
- Heat and mass transfer in contact melting (applied to thermal drilling). Chistiakov, V.K., et al. (1984, 176p., rus) 39-3377
- Snow strength**
- Controlling snow surface strength measurements with a handheld calculator. Marticelli, M. Jr., et al. (1984, p.277-281, eng) 39-405
- Vane shear strength of snow. 1. Effect of vane angular velocity. Kuriyama, H., (1984, p.101-108, jpn) 39-773
- Strength of a buried snow surface. Sommerfeld, R.A., (1984, 6p., eng) 39-1207
- Snow deformation at its impact against different obstacles. Kariakin, A.T., et al. (1984, p.34-37, rus) 39-1704
- Model tests and in situ behaviour of prestressed anchors in snow and ice. Jessberger, H.L., et al. (1984, p.21-32, eng) 39-1789
- Some aspects of antarctic engineering. Retamal, E., (1984, p.147-159, spa) 39-2193
- Laboratory tests of a motorized snow surface hardness gage. Martinelli, M., Jr., et al. (1985, p.133-140, eng) 39-2556
- Runway construction at Molodetzhnaya Station. Aver'ianov, V.G., et al. (1983, p.99-105, eng) 39-2600
- Dynamic (percussion) sounding of snow cover. Ermakov, K.K., et al. (1984, p.147-155, rus) 39-2781
- Determining shear strength of snow under field conditions. Samoilov, R.S., et al. (1984, p.155-161, rus) 39-2782
- Snow stability index. Conway, H., et al. (1984, p.321-327, eng) 39-3782
- Air permeability as a textural indicator of snow. Conway, H., et al. (1984, p.328-333, eng) 39-3783
- Snow structure**
- See: Snow cover structure
- Snow surface**
- "Sun spirals" on melting snow. Jahn, A., (1984, p.120-122, eng) 39-251
- Controlling snow surface strength measurements with a handheld calculator. Marticelli, M. Jr., et al. (1984, p.277-281, eng) 39-405
- Satellite discrimination of snow/cloud surfaces. Crane, R.G., et al. (1984, p.213-223, eng) 39-1039
- Strength of a buried snow surface. Sommerfeld, R.A., (1984, 6p., eng) 39-1207
- Additional observations on the snow to be considered when skiing. Palosuo, E., et al. (1984, p.143-149, eng) 39-1281
- Alaska's snow. Benson, C.S., (1980, p.202-205, eng) 39-1399
- Snowrollers. Tam, F.M., (1982, p.276-277, eng) 39-1402
- Laboratory and field evaluation of an ultrasonic distance meter for measurement of snow surface profiles. Pinchak, A.C., et al. (1985, p.70-74, eng) 39-2398
- Laboratory tests of a motorized snow surface hardness gage. Martinelli, M., Jr., et al. (1985, p.133-140, eng) 39-2556
- Snowpack ground truth measurements: 1. Overview. Gimmetstad, G.G., et al. (1984, p.123-137, eng) 39-2956
- Snowpack ground truth measurements: 2. Snow surface characterization. Gimmetstad, G.G., et al. (1984, p.139-151, eng) 39-2957
- Radar backscatter studies at SNOW-TWO. Knox, J.E., (1984, p.379-387, eng) 39-2976
- See also: Glacier surfaces
- Snow surface temperature**
- New method for measuring the snow-surface temperature. Andreas, E.L., (1984, p.161-169, eng) 39-2959
- Snow survey tools**
- Studying the emissivity of ice and snow covers. Belich, R.B., (1984, p.91-102, rus) 39-1134
- Snow surveys**
- Snow cover distribution in river basins. Kopyl, I.V., et al. (1984, p.70-78, rus) 39-38
- Studying winter state of different landscapes. Beruchashvili, N.L., et al. (1984, p.78-82, rus) 39-39
- CODATA directory of data sources for snow and ice. Barry, R.G., ed. (1984, 87p., eng) 39-143
- Symposium on Ice and Climate Modeling, 1983. (1984, 243p., eng) 39-162
- Bibliography on ice and snow for 1971-84. Trent University. (1984, 13p., eng) 39-255
- Radar sounding of snow cover on avalanche slopes. Chizhov, A.N., (1984, p.93-96, rus) 39-463
- Improving ice and snow measurements on lakes. Adams, W.P., (1984, p.1.1-1.14, eng) 39-537
- Methods of determining the mechanical characteristics of snow. Mazur, A.I., et al. (1983, p.95-98, eng) 39-586
- Mean position of the snow cover boundaries in the Northern Hemisphere. Budoyt, V.D., et al. (1983, p.88-90, eng) 39-587
- Unusual forms of snow cover relief in Central Asian mountains. Ratsek, V.I., et al. (1984, p.24-27, rus) 39-632
- Snow resources of the Pamir-Alay Mountains. Getker, M.I., (1984, p.27-37, rus) 39-633
- Fifteen-years experience for instruments development. Kimura, T., (1984, p.139-142, jpn) 39-777
- Report of National Committee on Snow and Ice. (1984, p.143-146, jpn) 39-778
- Glaciological and geocryological studies on King George Island. Vtiurin, B.I., et al. (1984, p.33-37, rus) 39-976
- Water supply review and snow survey summary, 1981-82 (Alta). (1982, 25p. + append., eng) 39-1003
- Snow in geography. Adams, W.P., (1983, p.10-17, eng) 39-1021
- Snow mapping with active microwave sensors. Matzler, C., et al. (1984, p.409-422, eng) 39-1040
- Regional and seasonal variations in snow-cover density in the U.S.S.R. Bilello, M.A., (1984, 70p., eng) 39-1140
- Landsat based mapping of snow and vegetation cover. Hawes, D.B., (1984, var.p. + 2 maps, eng) 39-1143
- International Conference on Alpine Meteorology, 17th. 1982. (1982, 293p., ger) 39-1211
- Proceedings. Role of snow and ice in northern basin hydrology. (1984, 5 sections, eng) 39-1278
- Some experience of the gamma-ray snow survey method after ten years of operational use. Andersen, T., et al. (1984, p.2.1-2.13, eng) 39-1284
- Studies of microwave remote sensing of snow. Hallikainen, M., et al. (1984, p.2.15-2.26, eng) 39-1285
- Snow and avalanches in the Swiss Alps, winter 1982/83. (1984, 132p., ger) 39-1349
- Snow and avalanches in the Davos region. Föhn, P., et al. (1984, p.28-39, ger) 39-1350
- Snow and avalanche conditions in the Swiss Alps. Meister, R., et al. (1984, p.40-94, ger) 39-1351
- Dynamics of snow cover in the Zakkii-Don River valley. Baulina, L.L., et al. (1984, p.37-41, rus) 39-1705
- Workshop on the Properties of Snow, 1981. Brown, R.L., ed. (1982, 135p., eng) 39-1717
- Photogenic hydrothermal contrasts in landscapes of the Kigari-Bureya lowlands. Kolomyts, E.G., et al. (1977, p.77-121, rus) 39-1900
- Geographic differentiation of snow cover on the Badzhalskiy Range. Martynova, A.M., (1977, p.156-170, rus) 39-1903

Snow surveys (cont.)

- Hydrometeorological studies. Chistiaeva, S.P., ed. 1984. 152, rusj. 39-2249
- Correcting snow survey measurements in mountains. Gal'ster, N.V., 1984, p.38-43, rusj. 39-2251
- Some aspects of ice engineering in Japan. Kitagawa, H., et al. 1985, p.271-280, engj. 39-2424
- Relationship between snow course information and runoff. Marchegiani, E.A., 1984, p.37-50, engj. 39-2446
- Dynamic (percussion) sounding of snow cover. Ermakov, K.K., et al. 1984, p.147-155, rusj. 39-2781
- Determining shear strength of snow under field conditions. Samoilov, R.S., et al. 1984, p.155-161, rusj. 39-2782
- Calculating snow reserves in the Abramov glacier basin. Zhidkov, V.A., 1984, p.174-178, rusj. 39-2785
- Relations between snow accumulation on glaciers and in valleys. Gus'kov, A.S., et al. 1984, p.185-188, rusj. 39-2788

Snow temperature

- Permafrost mapping of rock glaciers, Austrian Alps. Haeblerli, W., et al. 1983, p.127-150, gerj. 39-101
- Microwave emission from an irregular snow layer. Eom, H.J., et al. 1983, p.423-437, engj. 39-731
- Near surface temperature regime of the Antarctic. Carroll, J.J., 1984, p.4941-4952, engj. 39-762
- On the temperature distribution in an air-ventilated snow layer. Yen, Y.-C., 1982, 10p., engj. 39-1263
- Additional observations on the snow to be considered when skiing. Palosuo, E., et al. 1984, p.143-149, engj. 39-1281
- Glaciological studies of the Filchner Ice Shelf, 1983/84. Reinwarth, O., et al. 1984, p.37-52, gerj. 39-1600
- Snow accumulation, firm temperature and solar radiation, Swiss Alps. Alean, J., et al. 1983, p.131-147, engj. 39-1964

- Snowpack ground truth measurements: 1. Overview. Gimmetstad, G.G., et al. 1984, p.123-137, engj. 39-2956

- Snowpack ground truth measurements: 2. Snow surface characterization. Gimmetstad, G.G., et al. 1984, p.139-151, engj. 39-2957

- Snowpack ground truth measurements: 3. Snowpack profile characterization. Harrison, W.L., 1984, p.153-160, engj. 39-2958

- Snow structure and depth hoar formation on Mizuho Plateau. Nishimura, H., et al. 1984, p.137-146, engj. 39-3456

- Snow profiles and avalanche activity in the Cairngorm Mountains, Scotland. Ward, R.G.W., et al. 1985, p.18-27, engj. 39-3720

Snow tunnels

- Proposal of snow tunnel construction for subsurface observation. Hannuki, T., et al. 1985, p.120-130, jpnj. 39-3607

Snow vehicles

- Snowmobiles as utility vehicles in the Arctic. Poole, P.J., 1982, 134p., engj. 39-998

- Ground transportation at the antarctic stations of the F.R.G. Kohnen, H., 1983, p.106-114, engj. 39-2601

- Vehicles used by SANAE. Nel, J.G., 1983, p.132-136, engj. 39-2606

- Motorized toboggans. Clark, N., 1983, p.200-205, engj. 39-2613

- Development of mobile field units by British Antarctic Survey. Chinn, E.J., 1983, p.557-572, engj. 39-2630

- Antarctic snow vehicle. Hosoya, M., 1985, p.26-35, jpnj. 39-3603

Snow water content

- Instruments for measuring the liquid water content of snow. Denoth, A., et al. 1984, p.2154-2160, engj. 39-736

- Infrared analysis of free water content of snow. Lammasniemi, J., et al. 1984, p.131-141, engj. 39-1280

- Measuring the liquid water content of snow. Marbouty, D., et al. 1985, 30p., frej. 39-1722

- Electrical properties of snow. Stiles, W.H., et al. 1981, p.91-103, engj. 39-2259

- Snowpack ground truth measurements: 1. Overview. Gimmetstad, G.G., et al. 1984, p.123-137, engj. 39-2956

- Snowpack ground truth measurements: 2. Snow surface characterization. Gimmetstad, G.G., et al. 1984, p.139-151, engj. 39-2957

- Snow wetness measurement by fluorescent dye dilution. Davis, R.E., et al. 1984, p.362-363, engj. 39-3788

- Statistical studies of snow accumulation at Showa and Mizuho Stations. Wada, M., 1985, p.1-11, engj. 39-3952

Snow water equivalent

- Snow cover distribution in river basins. Kopyl, I.V., et al. 1984, p.70-78, rusj. 39-38

- Radar reflections from layers with rough boundaries. Iuift, G.A., 1984, p.37-51, rusj. 39-462

- Environmental protection in northern river basins. Belotserkovskii, M.I.U., et al. 1984, p.3-9, rusj. 39-579

- Snowpack estimation in the St. John River basin. Power, J.M., et al. 1980, p.467-486, engj. 39-601

- Glaciology of mountain regions (snow cover, avalanches and glaciers). Getker, M.I., ed. 1984, 136p., rusj. 39-628

- Using satellite information on the seasonal snow-line elevation in hydrologic forecasts of Central Asian rivers. Chernov, V.I.U., 1984, p.3-14, rusj. 39-629

- Snow resources of the Pamir-Alay Mountains. Getker, M.I., 1984, p.27-37, rusj. 39-633

- Calculating glacier ablations from mean summer air temperature. Shchetinnikov, A.S., et al. 1984, p.98-104, rusj. 39-640

- Mountain snowcover model for Crater Lake National Park, OR. Hamilton, W.L., et al. 1982, p.83-95, engj. 39-659

- Variation of ground snow loads with elevation in Southern British Columbia. Claus, B.R., et al. 1984, p.480-493, engj. 39-877

- Possibility of calculating snow loads for the USSR. Karapet'ants, E.M., 1983, p.44-51, rusj. 39-908

- Relations between changes of the sign of anomalies of maximum snow water reserves and the changes in circulation conditions. Karapet'ants, E.M., et al. 1983, p.93-101, rusj. 39-909

- General hydrology (hydrology of dry land). Bogoslovskii, B.B., et al. 1984, 422p., rusj. 39-1136

- Some experience of the gamma-ray snow survey method after ten years of operational use. Andersen, T., et al. 1984, p.2-12, engj. 39-1284

- Studies of microwave remote sensing of snow. Hallikainen, M., et al. 1984, p.2-15-2-26, engj. 39-1285

- Inclusion of frozen effects in a flood forecasting model. Anderson, E.A., et al. 1984, p.5-1-5-14, engj. 39-1292

- Snow cover in the central economic region. Miachkova, N.A., et al. 1984, p.55-59, rusj. 39-1387

- Changes in natural conditions induced by human activities. Saks, V.N., ed. 1984, 176p., rusj. 39-1415

- Peculiarities of spring-summer runoff fluctuations in the Ob' River basin over a period of years. Beltrou, S.G., et al. 1984, p.5-10, rusj. 39-1416

- Hydroclimatic conditions of the Amur River region. Naprasnikov, A.T., et al. 1983, 68p. + 15 maps, rusj. 39-1449

- Estimating seasonal changes in water inflow into reservoirs. Komarov, V.D., et al. 1985, p.3-26, rusj. 39-1548

- Zones of runoff formation indicated by vegetation on spaceborne photographs. Sumarokova, V.V., 1984, p.3-11, rusj. 39-1688

- Probability models for annual extreme water-equivalent ground snow. Ellingwood, B., et al. 1984, p.1153-1159, engj. 39-1740

- Snow reserves distribution on mountain glaciers. Cherkasov, P.A., et al. 1983, p.74-89, rusj. 39-1922

- Methods of calculating snow reserves in mountains. Severskii, I.V., 1983, p.98-118, rusj. 39-1924

- AFGL snow characterization measurements at SNOW-ONE-B: preliminary analysis. Berthel, R.O., et al. 1983, p.197-208, engj. 39-1956

- Calculating spring flood water from satellite photographs. Vostriakova, N.V., 1984, p.85-88, rusj. 39-1975

- Snow cover variations in mountain environments. Risser, V., et al. 1984, p.287-296, engj. 39-2000

- Correcting snow survey measurements in mountains. Gal'ster, N.V., 1984, p.38-43, rusj. 39-2251

- Correlation of snowpack and runoff, Marmot Creek basin, Alberta. Golding, D.L., 1974, p.31-38, engj. 39-2498

- Ice-snow ablation runoff in mountains of western Canada and the United States. Dreier, N.N., et al. 1984, p.56-63, rusj. 39-2768

- Calculating snow reserves in the Abramov glacier basin. Zhidkov, V.A., 1984, p.174-178, rusj. 39-2785

- Peculiarities of snow precipitation. Fohn, P.M.B., 1985, p.87-96, gerj. 39-2997

- Radar determination of snowfall rate and accumulation. Boucher, R.J., et al. 1985, p.68-73, engj. 39-3141

- Great Lakes hydrologic forecast models. Gauthier, R.L., et al. 1985, p.1129-1140, engj. 39-3706

Snow wood friction

See: Wood snow friction

Snowdrifts

- Comparison of snow drifting measurements at an alpine ridge crest. Schmidt, R.A., et al. 1984, p.131-141, engj. 39-338

- Applications of Anno's modeling conditions to outdoor modeling of snowdrifts. Anno, Y., 1984, p.179-181, engj. 39-342

- Comparison of snowdrift modeling criteria: commentary on "Application of Anno's modeling conditions to outdoor modeling of snowdrifts". Iversen, J.D., 1984, p.259-265, engj. 39-402

- Winter maintenance of roads in eastern Siberia. Maevskii, A.A., 1984, p.53-58, rusj. 39-418

- Self-orienting snow or sand barrier. Tailandier, J.M., 1984, p.25-32, frej. 39-497

- Theoretical and practical aspects of snow transfer by wind. Brugnot, G., 1984, p.29-38, frej. 39-500

- Temporary houses for workers in permafrost areas. Sobchenko, M.S., et al. 1984, p.21-23, rusj. 39-675

- Snow control study for Dempster Highway cut at mile 292.5. Williams, C.J., et al. 1978, 3p. + 8 figs., engj. 39-727

- Snow in geography. Adams, W.P., 1983, p.10-17, engj. 39-1021

- Snowdrifts and corrective actions on the Dempster Highway. N.W.T., 1981, 6p. + figs., engj. 39-1178

- Drift snow loads on multilevel roofs. O'Rourke, M.J., et al. 1985, p.290-306, engj. 39-2512

- Development of a snowdrift wind tunnel. Anno, Y., et al. 1985, p.153-161, engj. 39-2558

- Froude number paradoxes in the modeling of a snowdrift. Anno, Y., 1985, p.191-192, engj. 39-2561

- Supplement to Anno's modelling conditions for a snowdrift. Anno, Y., 1985, p.193-195, engj. 39-2562

- Snowdrift and forest lines on Mt. San Geronio, California. Minnich, R.A., 1984, p.395-412, engj. 39-2680

- Snowdrift patches on King George (Waterloo) Island. Vtiurin, B.I., 1984, p.209-214, rusj. 39-2793

- Calculating snow transfer toward roads. Gladysheva, I.A., et al. 1984, p.11, rusj. 39-2834

- Mass flux and visibility observed by snow particle counter. Ishimoto, K., et al. 1984, p.104-112, engj. 39-3452

- Snow drift flux at Mizuho Station in 1982. Takahashi, S., et al. 1984, p.113-121, engj. 39-3453

- Characteristics of drifting snow at Mizuho Station in 1982. Takahashi, S., et al. 1984, p.122-131, engj. 39-3454

- Wind-tunnel experiments of snowdrift formation at Showa Station. Tomabechi, T., et al. 1985, p.114-119, jpnj. 39-3606

- Proposal of snow tunnel construction for subsurface observation. Hannuki, T., et al. 1985, p.120-130, jpnj. 39-3607

- Winter maintenance of roads during considerable snowdrifting. Filippov, I.V., 1983, p.10-12, rusj. 39-3918

- Height of embankments free of snowdrifts. Bialobzhechii, G.V., 1983, p.14-16, rusj. 39-3919

- An equation of profile of snow drift density during snowfall. Kobayashi, S., 1984, p.79-83, jpnj. 39-4037

Snowfall

- Snow concentration and effective air density during snowfalls. Mellor, M., 1983, p.505-507, engj. 39-211

- Analysis on the relationship between streamflow and precipitation in Altay mountainous region. Zhou, B., 1983, p.49-56, chi. 39-266

- Quantitative estimates of the effect of Lake Michigan on snowfall. Braham, R.R., Jr., et al. 1984, p.940-949, engj. 39-285

- Measuring particle size and snowfall intensity in drifting snow. Schmidt, R.A., 1984, p.121-129, engj. 39-337

- Radio wave attenuation in snowfall. Babkin, I.U.S., et al. 1971, p.2171-2174, engj. 39-357

- Attenuation of visible and infrared radiation in rain and snow. Sokolov, A.V., 1971, p.2175-2178, engj. 39-358

- Precipitation rate and extinction in falling snow. Seagraves, M.A., 1984, p.1827-1835, engj. 39-598

- Snowfall, snow physics and avalanches, Craigieburn Range, New Zealand. Prowse, T.D., et al. 1984, p.107-118, engj. 39-609

- Alaskan varve thickness and climatic changes. Perkins, J.A., et al. 1983, p.308-321, engj. 39-617

- Climate at CRREL, Hanover, New Hampshire. Bates, R.E., 1984, 78p., engj. 39-647

- Nature and extent of acid snowpacks in Pennsylvania. Dewalle, D.R., et al. 1983, 35p., engj. 39-743

- Snow in geography. Adams, W.P., 1983, p.10-17, engj. 39-1021

- Wind correction factors for snow precipitation gauges. Carlsson, B., et al. 1984, p.115-130, engj. 39-1279

- Orographic snowfall rate model for Alta, Utah. Todd, S.K., et al. 1981, 11p., engj. 39-1338

- Snow and avalanches in the Swiss Alps, winter 1982/83. 1984, 132p., gerj. 39-1349

- Ultra-high-frequency measurements of snowfall intensity. Bolov, V.R., et al. 1984, p.41-45, rusj. 39-1706

- Frozen precipitation and weather. Munchen/Riem, West Germany. Biello, M.A., 1984, 47p., engj. 39-1731

- Geographic differentiation of snow cover on the Badzhalskiy Range. Martynova, A.M., 1977, p.156-170, rusj. 39-1903

- SNOW-ONE-B data report. Bates, R.E., ed. 1983, 284p., engj. 39-1951

- Site-specific and synoptic meteorology. Bates, R.E., 1983, p.13-80, engj. 39-1952

- Atmospheric turbulence measurements at SNOW-ONE-B. Andreas, E.L., 1983, p.81-87, engj. 39-1953

- Visible/IR transmission and meteorological data. Ben, Shalom, A., et al. 1983, p.89-153, engj. 39-1954

- Snow characterization at SNOW-ONE-B. Berger, R.H., et al. 1983, p.155-195, engj. 39-1955

- AFGL snow characterization measurements at SNOW-ONE-B preliminary analysis. Berthel, R.O., et al. 1983, p.197-208, engj. 39-1956

- Millimetre wavelength radar propagation measurements at SNOW-ONE-B. Knox, J.E., et al. 1983, p.209-214, engj. 39-1957

- Transmittance measurements, SNOW-ONE-B. Curcio, J.A., et al. 1983, p.215-237, engj. 39-1958

- Lidar measurements from the SNOW-ONE-B field experiment. DeLater, S.A., et al. 1983, p.239-247, engj. 39-1959

- SNOW-ONE-B ASL/SMART measurements.** Hanley, S.T., et al, (1983, p.249-278, eng) 39-1960
- Smoke trials, SNOW-ONE-B.** (1983, p.279-284, eng) 39-1961
- Synoptic consideration of snowfall in Athens.** Prezerakos, N.G., et al, (1984, p.269-285, eng) 39-1999
- Overview of acid rain monitoring activities in North America.** Wisniewski, J., et al, (1982, p.598-618, eng) 39-2213
- Climatic forcing: effects of El Niño on a small, temperate lake.** Strub, P.T., et al, (1985, p.55-57, eng) 39-2684
- Blizzard of February 4-5, 1984 over the eastern Dakotas and western Minnesota.** Weiland, M., (1984, 12p., + append., eng) 39-2830
- Radar measurements of atmospheric precipitation in Antarctica.** Pleahcheev, I.U.G., et al, (1984, p.64-67, rus) 39-2848
- Electromagnetic transmission in falling snow.** Dyer, R.M., (1984, 33p., eng) 39-2920
- Snow Symposium, 4th, Hanover, NH, Vol.1.** (1984, 433p., eng) 39-2944
- Validation and analysis of SNOW-ONE-A transmission data.** Persky, M.J., et al, (1984, p.9-24, eng) 39-2945
- Millimeter wave transmission fluctuations due to snow.** Bohlander, R.A., et al, (1984, p.25-39, eng) 39-2946
- Scattering properties of falling snow.** Mill, J.D., et al, (1984, p.83-87, eng) 39-2951
- Particle size and optical turbulence measurements in a snow environment.** Olsen, R.O., et al, (1984, p.89-94, eng) 39-2952
- Snow characterization measurements from SNOW-TWO/Smoke Week VI.** Main, B.A., et al, (1984, p.95-103, eng) 39-2953
- Performance of microprocessor-controlled snow crystal replicator.** Koh, G., (1984, p.107-111, eng) 39-2954
- System for the point measurement of airborne snow extinction coefficient.** Hutt, D.L., et al, (1984, p.113-120, eng) 39-2955
- Extinction models for falling snow, blowing snow, and snow with fog.** Seagraves, M.A., (1984, p.235-245, eng) 39-2964
- Approach to snow propagation modeling.** Koh, G., (1984, p.247-259, eng) 39-2965
- Analysis of helicopter snow obscuration sub-test at SNOW-TWO.** Ebersole, J.F., et al, (1984, p.289-310, eng) 39-2969
- Helicopter-lofted snow model for EOSAEL.** Buribaw, E., et al, (1984, p.311-322, eng) 39-2970
- Smoke Week VI/SMOW-TWO observations.** Ebersole, J.F., et al, (1984, p.405-407, eng) 39-2979
- Snow chemistry of obscuration released during SNOW-TWO/Smoke Week VI.** Cragin, J.H., (1984, p.409-416, eng) 39-2980
- Relationship between precipitation and surface meteorology.** Matsuo, T., et al, (1981, p.462-476, eng) 39-2994
- Precipitation in Switzerland.** Sevruck, B., ed, (1985, 278p., ger) 39-2995
- Correction of precipitation data by snow measurements.** Martinez, J., (1985, p.77-86, ger) 39-2996
- Peculiarities of snow precipitation.** Föhn, P.M.B., (1985, p.87-96, ger) 39-2997
- Precipitation determination in glacierized mountains.** Aellen, M., (1985, p.97-105, ger) 39-2998
- Contribution of snow to monthly precipitation.** Sevruck, B., (1985, p.127-138, ger) 39-3000
- Dependence of precipitation on altitude.** Lang, H., (1985, p.149-158, ger) 39-3001
- Snow-Two/Smoke Week VI field experiment plan.** Redfield, R.K., et al, (1984, 85p., eng) 39-3031
- Inflow of heavy-metal aerosols into southern taiga landscapes of the central Ural mountains.** Mel'chakov, I.U., (1985, p.80-82, rus) 39-3109
- Radar determination of snowfall rate and accumulation.** Boucher, R.J., et al, (1985, p.68-73, eng) 39-3141
- Snow drift flux at Mizuho Station in 1982.** Takahashi, S., et al, (1984, p.113-121, eng) 39-3453
- Characteristics of drifting snow at Mizuho Station in 1982.** Takahashi, S., et al, (1984, p.122-131, eng) 39-3454
- Monthly data 1951-80 normals: snowfall data for selected co-op stations.** (1981, 52 fiches, eng) 39-3464
- SNOW-ONE-A and B characterization measurements and data analysis.** Berthel, R.O., et al, (1983, 60p., eng) 39-3899
- Solid precipitation regime in Argentina and Antarctica.** Minetti, J.L., (1984, p.116-128, spa) 39-3946
- Statistical studies of snow accumulation at Showa and Mizuho Stations.** Wada, M., (1985, p.1-11, eng) 39-3952
- Sensitivity of a thermodynamic sea ice model.** Ledley, T.S., (1985, p.2251-2260, eng) 39-3999
- An equation of profile of snow drift density during snowfall.** Kobayashi, S., (1984, p.79-83, jpn) 39-4037
- Atmospheric electricity during snowfall.** Endoh, T., et al, (1984, p.83-100, jpn) 39-4038
- Case studies of snow clouds by means of snow crystal sondes.** Irikawa, S., et al, (1984, p.101-112, jpn) 39-4039
- Snowflakes**
- Cubic ice, snowflakes and rare-gas solids.** Kieffe, H., et al, (1984, p.1419-1420, eng) 39-653
- Boundary-layer model of pattern formation in solidification.** Ben-Jacob, E., et al, (1984, p.330-340, eng) 39-782
- Equivalent radar reflectivity factors for snow and ice particles.** Smith, P.L., (1984, p.1258-1260, eng) 39-1393
- Melting of snow pellets in the atmosphere.** Matsuo, T., et al, (1982, p.55-64, eng) 39-1658
- SNOW-ONE-B data report.** Bates, R.E., ed, (1983, 284p., eng) 39-1951
- SNOW-ONE-B ASL/SMART measurements.** Hanley, S.T., et al, (1983, p.249-278, eng) 39-1960
- Snowflakes of cold temperature types.** Fujiyoshi, Y., et al, (1984, p.295-305, eng) 39-2049
- Validation and analysis of SNOW-ONE-A transmission data.** Persky, M.J., et al, (1984, p.9-24, eng) 39-2945
- Millimeter wave transmission fluctuations due to snow.** Bohlander, R.A., et al, (1984, p.25-39, eng) 39-2946
- Attenuation and backscatter for snow and sleet at 96, 140, and 225 GHz.** Nemanich, J., et al, (1984, p.41-52, eng) 39-2947
- SMART measurements at SNOW-TWO.** Crow, S.B., et al, (1984, p.53-72, eng) 39-2948
- Catalog of smoke/obscuration characterization instruments.** O'Brien, H.W., et al, (1984, p.77-82, eng) 39-2950
- Scattering properties of falling snow.** Mill, J.D., et al, (1984, p.83-87, eng) 39-2951
- Particle size and optical turbulence measurements in a snow environment.** Olsen, R.O., et al, (1984, p.89-94, eng) 39-2952
- Snow characterization measurements from SNOW-TWO/Smoke Week VI.** Main, B.A., et al, (1984, p.95-103, eng) 39-2953
- Performance of microprocessor-controlled snow crystal replicator.** Koh, G., (1984, p.107-111, eng) 39-2954
- System for the point measurement of airborne snow extinction coefficient.** Hutt, D.L., et al, (1984, p.113-120, eng) 39-2955
- Forward-scattering corrected extinction by nonspherical particles.** Bohren, C.F., et al, (1984, p.261-271, eng) 39-2966
- Test of the Holt approximation for forward scattering of millimeter waves by stellar dendrites.** Goedecke, G.H., et al, (1984, p.273-277, eng) 39-2967
- Millimeter wave extinction and cross-polarization by stellar dendrites.** O'Brien, S.G., et al, (1984, p.279-288, eng) 39-2968
- Analysis of helicopter snow obscuration sub-test at SNOW-TWO.** Ebersole, J.F., et al, (1984, p.289-310, eng) 39-2969
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- Snowmelt**
- Ablation and heat balance of the Yukikabe snow patch in the Daisetsu mountains, Hokkaido, Japan.** Sato, A., et al, (1984, p.122-126, eng) 39-185
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- Model for pollutant concentrations during snow-melt.** Hibberd, S., (1984, p.58-65, eng) 39-243
- Lake Ontario basin (U.S.A.-Canada) runoff modeling.** Croley, T.E., II, (1983, p.101-121, eng) 39-564
- Surface emissivities in a boreal forest during snowmelt.** Price, A.G., et al, (1984, p.45-51, eng) 39-604
- Spring runoff from an agricultural watershed.** Nicholaichuk, W., et al, (1983, p.412-414, eng) 39-622
- Snow reflectance from LANDSAT-4 thematic mapper.** Dozier, J., (1984, p.323-328, eng) 39-779
- Limitations on seasonal snowmelt forecast accuracy.** Lettenmaier, D.P., (1984, p.255-269, eng) 39-783
- Radiation balance of typical terrain units in the low Arctic.** Rouse, W.R., et al, (1983, p.538-549, eng) 39-863
- Hydrology of a drainage basin in the Canadian high Arctic.** Woo, M., (1983, p.577-596, eng) 39-866
- Monitoring pond waters near Showa Station (II).** Murayama, H., et al, (1984, p.187-193, eng) 39-1093
- Proceedings. Role of snow and ice in northern basin hydrology.** (1984, 5 sections, eng) 39-1278
- Contribution to the calculation of the snow accumulation and snowmelt runoff in a mountain catchment area.** Babiakova, G., (1984, p.515-540, eng) 39-1293
- Analytical approach for determining snowmelt induced runoff.** Bengtsson, L., (1984, p.541-558, eng) 39-1294
- Use of temperature index methods in snowmelt forecasting.** Kuusisto, E., (1984, p.559-568, eng) 39-1295
- Application of simple snowmelt models in three different terrain types.** Vahviläinen, B., et al, (1984, p.585-595, eng) 39-1297
- Simulating the effects of dust on arctic snowmelt.** Woo, M., (1984, p.597-5116, eng) 39-1298
- Impact of snowmelt-runoff from agricultural watersheds on dissolved oxygen.** Sullivan, J.F., (1983, p.170-177, eng) 39-1348
- Comparison of the snowmelt energy budgets in two alpine basins.** Moore, R.D., (1983, p.1-10, eng) 39-1570
- Chemical analysis of northern Michigan snowpack.** Cadle, S.H., et al, (1984, p.303-319, eng) 39-1571
- Transpiration and water stress in western coniferous forests.** Running, S.W., (1984, 52p., eng) 39-1713
- Effects of snowmelt and logging on piezometric levels in watersheds.** Megahan, W.F., (1984, p.1-8, eng) 39-1930
- Models of snowmelt runoff.** Sugawara, M., et al, (1984, p.187-236, jpn) 39-1971
- Calculating spring flood water from satellite photographs.** Vostriakova, N.V., (1984, p.85-88, rus) 39-1975
- Energy-budget model of snowmelt in southern and east-central Wisconsin.** Aguado, E., (1983, 202p., eng) 39-2007
- Infiltration of a frozen Palouse silt loam soil under simulated rainfall.** Lee, H.W., (1983, 125p., eng) 39-2058
- Three phase temperature-density model of snowmelt runoff.** Rahman, K.H.S., (1982, n.p., eng) 39-2061
- Snowmelt infiltration in frozen Prairie soils.** Granger, R.J., et al, (1984, p.669-677, eng) 39-2087
- Techniques for investigating meltwater runoff and erosion.** Ferguson, R.I., et al, (1984, p.374-382, eng) 39-2313
- Influence of temperate glaciers on flood events in maritime Alaska.** Humphrey, J.H., et al, (1983, p.1(1)-1(26), eng) 39-2441
- Prediction of combined snowmelt and rainfall runoff.** Mizumura, K., et al, (1985, p.179-193, eng) 39-2490
- Correlation of snowpack and runoff.** Marmot Creek basin, Alberta. Golding, D.L., (1974, p.31-38, eng) 39-2498
- Empirical relationship between dust content and Arctic snow albedo.** Woo, M., et al, (1985, p.125-132, eng) 39-2555
- Snowdrift and forest lines on Mt. San Geronzio, California.** Minnick, R.A., (1984, p.395-412, eng) 39-2600
- Extreme rainfall and rapid snowmelt as causes of mass movements in high latitude mountains.** Rapp, A., (1985, p.36-56, eng) 39-2693
- Snow accumulation and snowmelt in forested and deforested areas.** Plamondon, A.P., et al, (1984, p.27-35, fre) 39-2706
- Ice and snow maps for continents.** Aliushinskaya, N.M., et al, (1984, p.63-68, rus) 39-2769
- Infiltration in unsaturated frozen soil.** Engelman, H., (1984, p.243-252, eng) 39-3090
- Runoff from glacierized mountains.** Ferguson, R.I., (1985, p.702-708, eng) 39-4052
- See also: Snow melting**
- Snowmobiles**
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- Increasing traffic safety and regularity in snow-storm periods.** Norrm, H., (1983, p.9-11, eng) 39-314
- Winter maintenance of roads in eastern Siberia.** Maevskii, A.A., (1984, p.53-58, rus) 39-418
- Data from the National Weather Service 1981 for floods, winter storms and wind.** Campbell, A.K., (1982, 38p., eng) 39-570
- Canals under blizzard conditions.** Smirnov, E.A., et al, (1984, p.25-29, eng) 39-1639
- Blending the old with the new to fight winter storms.** Heugle, T.J., Jr., (1982, p.48-49, eng) 39-1663
- Ultra-high-frequency measurements of snowfall intensity.** Bolov, V.R., et al, (1984, p.41-45, rus) 39-1706
- Local contrasts in geosystems.** Kapitsa, A.P., ed, (1977, 206p., rus) 39-1897
- Winter regime in valleys of the Amur River region.** Surova, N.A., (1977, p.135-155, rus) 39-1902
- Snow reserves distribution on mountain glaciers.** Cherkasov, P.A., et al, (1983, p.74-89, rus) 39-1922
- Formulas for calculating glacier alimentation.** Severnii, I.V., (1983, p.89-98, rus) 39-1923
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- Soil aggregates**
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- Soil analysis**
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- Soil investigation in Antarctica, 1969-70.** Claridge, G.C., (1970, p.101-104, eng) 39-3157
- Soil cement**
- Characterization and use of fly ash and copper slag: soil stabilization.** Das, B.M., et al, (1983, 46p., eng) 39-2091

Soil cement (cont.)

- New mineral forms in soil-time systems. Levchenko, A.V., et al, [1984, p.26-35, rus] 39-2183
Using soil cement under severe climatic conditions. Kialitsyn, V.A., [1984, p.5-6, rus] 39-2852

Soil chemistry

- Moss-lichen covers of Alpine tundra. Sulialina, A.V., [1981, p.53-54, rus] 39-46
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Behavior of 238-U, 232-Th and 226-Ra in mountain tundra soils. Shuktomova, I.I., et al, [1983, p.51-56, rus] 39-220
Mobility of Ca and Na in freezing-thawing grounds. Zolotareva, B.N., et al, [1984, p.58-62, rus] 39-419
Periglacial landscapes of the East European plain. Velichko, A.A., et al, [1984, p.95-118, eng] 39-1059
Chemical analyses of soils and other surficial materials, Alaska. Gough, L.P., et al, [1984, 77p., eng] 39-1137
Exchange processes in biogeocenoses. Reports presented at the second annual meeting commemorating academician V.N. Sukachev, Moscow, Oct. 19, 1983. Giliarov, M.S., ed, [1984, 85p., rus] 39-1394
Flows of material and energy in swamp biogeocenoses. Piavchenko, N.I., [1984, p.5-32, rus] 39-1395
Seasonal patterns of nitrogen mineralization following harvesting in the white spruce forests of interior Alaska. Gordon, A.M., et al, [1983, p.119-130, eng] 39-1521
Denitrification in soils of western Siberia. Gantimurova, N.I., [1984, 117p., rus] 39-2033
Chemical weathering on the Vantage Point nunatak. Dixon, J.C., et al, [1984, p.111-131, eng] 39-2676
Mineral concentrations in porous media subject to freezing. Dumont, J.L., [1984, p.41-44, fre] 39-2679
Cycle of chemical elements in taiga landscapes of southern Yakutia. Konorovskii, A.K., et al, [1984, p.49-60, rus] 39-3024
Forest-growing properties of soils beneath forest cultures. Gorbachev, V.N., [1983, p.57-64, rus] 39-3070
Alpine-meadow soils of the northern Caucasus. Makarov, M.I., [1985, p.71-73, rus] 39-3306
Ways of controlling the fertility of developed peat soils in northern Europe. Sin'kevich, E.I., [1985, 267p., rus] 39-3593

Soil classification

- Soil formation and weathering in the Far East. Ershov, I.U.I., [1984, 262p., rus] 39-1153
Arctic soil classification. Hendershot, W.H., [1985, p.283-291, eng] 39-3583

Soil compaction

- Cold weather construction, Alaska. [1984, 4 parts, eng] 39-139
Foundations built on loess. Anan'ev, V.P., [1984, p.3-8, rus] 39-582
Difficulties in construction on sagging soils. Gol'dshteyn, M.N., [1984, p.9-10, rus] 39-583
Calculations of preliminary compaction of frozen soils. Tsytin, A.M., et al, [1980, p.44-51, rus] 39-752
Clay soil compression beneath plates. Dalmatov, B.I., et al, [1984, p.37-42, eng] 39-1078
Soil compaction by impact. Fedulov, A.I., et al, [1983, 118p., rus] 39-1442
Estimating suitability of earth for erecting dams in permafrost areas. Kadkina, E.L., [1984, p.34-36, rus] 39-1590
Thermal regime of loams in cores of dams in freezing weather. Kochubevskaya, R.L., et al, [1984, p.36-38, rus] 39-1591
Wetting-and-blasting method of loess compaction. Takhirov, I.G., et al, [1985, p.63-66, rus] 39-1997
Blasting techniques used in construction on water-saturated ground. Smirnov, A.G., et al, [1984, 216p., rus] 39-2069
Laws governing the compaction of thawing soils taking dynamic processes into effect. Karlov, V.D., et al, [1984, p.231-235, eng] 39-2163
Investigations into the compaction of thawing earth materials. Pakhomova, G.M., [1984, p.278-281, eng] 39-2172
Chemical stabilization of loess soils. Sokolovich, V.E., et al, [1985, p.149-154, eng] 39-3111
Influence of pre-winter compaction of peat deposits on moisture accumulation in a seasonally freezing layer. Isiprian, R.A., et al, [1985, p.8-10, rus] 39-3771

Soil composition

- Cryogenesis and the formation of soil. Khudiakov, O.I., [1984, 196p., rus] 39-28
Behavior of 238-U, 232-Th and 226-Ra in mountain tundra soils. Shuktomova, I.I., et al, [1983, p.51-56, rus] 39-220
Cryogenic brown soils of Sikhote Alin'. Surina, N.I., et al, [1984, p.10-19, rus] 39-443
Geochemistry of iron in southern taiga soils. Sizov, A.P., [1984, p.81-84, rus] 39-445
Ultracontinental taiga soil formation on calcareous loams in Central Yakutia. Sokolov, I.A., et al, [1976, p.144-160, eng] 39-706
Microflora of taiga podsoils. Vishniakova, Z.V., et al, [1983, p.46-56, rus] 39-958

- Characteristics of hardpans of superficially gleyed tundra soils. Tsypanova, A.N., [1984, p.5-11, eng] 39-1079
Soil formation on taiga loams. Gorbachev, V.N., et al, [1984, p.12-18, eng] 39-1080
Soil formation and weathering in the Far East. Ershov, I.U.I., [1984, 262p., rus] 39-1153
Micromorphology of cryogenic soils. Koniahchev, V.N., et al, [1977, p.119-125, rus] 39-1177
Water regime of burned-out areas in northern taiga. Tarabukina, V.G., et al, [1984, p.72-75, rus] 39-3027
Behavior of Sr-90 and Cs-137 in soils and their accumulation in plants. Aliev, D.A., et al, [1985, p.85-89, rus] 39-3110
Geochemical landscapes of the Karelia-Kola Peninsula region. Stukkel, G.A., [1985, p.14-21, rus] 39-3540
Ways of controlling the fertility of developed peat soils in northern Europe. Sin'kevich, E.I., [1985, 267p., rus] 39-3593

Soil conservation

See: Soil erosion

Soil creep

- Frozen saline soil creep. Nixon, M.S., et al, [1984, p.344-348, eng] 39-25
Thermodynamic model of creep at constant stress and constant strain rate. Fish, A.M., [1984, p.143-161, eng] 39-339
New creep equation for frozen soils and ice. Gardner, A.R., et al, [1984, p.271-275, eng] 39-404
Laterally loaded piles in permafrost. Nixon, J.F., [1984, p.431-438, eng] 39-491
Creep and strength testing of frozen saline fine-grained soils. Nixon, J.F., et al, [1984, p.518-529, eng] 39-493
Analyses of stresses developed in pipelines buried in freezing ground. [1984, 59p., eng] 39-566
Creep behavior of frozen silt under constant uniaxial stress. Zhu, Y., et al, [1984, p.33-48, chi] 39-932
Tertiary creep model for frozen sands (discussion). Fish, A.M., et al, [1984, p.1373-1378, eng] 39-1038
Creep deformation of slope sediments in the Canadian Beaufort Sea. Hill, P.R., et al, [1982, p.163-170, eng] 39-1043
Geological, zonal and climatic peculiarities of landslide formation. Sheshenia, N.L., et al, [1984, 125p., rus] 39-2042

- Offshore permafrost well design lateral soil movement-induced bending strains. Laut, S.W., et al, [1985, p.47-51, eng] 39-2394
Creep of frozen sand under isotropic and deviatoric components of stress. Domaschuk, L., et al, [1985, p.59-64, eng] 39-2396

- Effective deepwater drilling/production structure for the Beaufort Sea. Padron, D.V., et al, [1985, p.90-97, eng] 39-2400
Creep and sliding in clay slopes during freeze thaw cycles. Czarda, K.A., et al, [1984, 45p., eng] 39-2514

- Periglacial processes in southern East Siberia. Laperdin, V.K., [1985, p.54-61, rus] 39-3013
Wind and plant-root erosion at high altitudes. Koretskii, A.P., [1984, p.100-102, rus] 39-3064

- Deformation properties of warm underocean permafrost. Shields, D., et al, [1985, p.593-603, eng] 39-3208
Foundations and time-dependent ice loadings. Williams, D.R., et al, [1985, p.1063-1074, eng] 39-3242

- Pile creep designs for frozen layered profiles. Neukirchner, R.J., [1985, p.1103-1111, eng] 39-3246
Use of the cone penetration test for the design of piles in permafrost. Ladanyi, B., [1985, p.183-187, eng] 39-3287

- Offshore permafrost well design lateral soil movement-induced bending strains. Laut, S.W., et al, [1985, p.195-198, eng] 39-3289
Creep of frozen sand under isotropic and deviatoric components of stress. Domaschuk, L., et al, [1985, p.199-203, eng] 39-3290

- Punch indentation of polycrystalline ice. Sego, D.C., et al, [1985, p.226-233, eng] 39-3685
Transient creep of frozen soil beams. Klein, J., [1982, p.975-981, eng] 39-4062

Soil erosion

- Soil formation and revegetation of permafrost slopes. Shishkina, L.P., et al, [1984, p.91-96, rus] 39-394
Wind erosion in the Far North. Orianski, V.V., et al, [1984, p.10-15, rus] 39-409

- Upper forest lines in the Subarctic as indices of ecologic parameters of the biosphere. Kruiukhov, V.V., [1984, p.13-14, rus] 39-506
Restoration of vegetational cover of forest communities in the northern Kola Peninsula. Kuz'mina, L.I., [1984, p.15, rus] 39-507

- Environmental protection in northern river basins. Belotserkovskii, M.I.U., et al, [1984, p.3-9, rus] 39-579
Protective structures in terrain stabilization. Schiechl, H.M., [1973, 244p., ger] 39-661

- Soil erosion on subarctic forest slopes. Aldrich, J.W., et al, [1983, p.115-118, eng] 39-769
Soil formation and weathering in the Far East. Ershov, I.U.I., [1984, 262p., rus] 39-1153

- Estimating the state of forests after fires from satellite photographs. Furiaev, V.V., et al, [1980, p.31-32, rus] 39-1333

- Bank recession of Corps of Engineers reservoirs. Gatto, L.W., et al, [1983, 103p., eng] 39-1371
Glacial mudflows in the Himalayas. Sen'kovskaya, N.F., [1984, p.81-87, rus] 39-1388

- Soils and geological conditions of the Nечernomozem'e. Sergeev, E.M., ed, [1984, 608p., rus] 39-1424
All-Union Seminar on environmental impact of industry, Zvenigorod, Dec. 4-8, 1984. Summaries of reports. Krivolutski, D.A., ed, [1984, 240p., rus] 39-1425

- Revegetation of eroded soils in the Arctic. Kuz'min, I.U.I., et al, [1984, p.33, rus] 39-1560
Revegetation of eroded soils in western Siberia. Moskalenko, N.G., [1984, p.147-154, eng] 39-1655

- Preliminary estimation of the impact of industries on highland ecosystems. Razumov, V.V., et al, [1984, p.121-134, rus] 39-1710
Development of the Yamburg gas field and environmental protection. Zakharov, I.U.F., [1985, p.8-9, rus] 39-2026

- Environmental impact of different machines used in forestry. Vinogorov, G.K., [1984, p.26-27, rus] 39-2106
Cryopediments in the Bighorn Canyon area, southcentral Montana. Nelson, G.E., [1984, p.327-332, eng] 39-2180

- Forecasting mudflows along the BAM line. Keremkulov, V.A., et al, [1984, p.52-59, rus] 39-2286
Soil microflora during the revegetation of uncovered soils of different mechanical composition in Taymyr tundras. Parinkina, O.M., [1985, p.29-35, rus] 39-2336

- Initial revegetation stages of bare ground in southern tundras of the Taymyr Peninsula. Pili, T.Kh., et al, [1984, p.20-50, rus] 39-2369
Impact of human activities on spruce forest of northern Tien Shan and the dynamics of its recovery. Roldugin, I.I., [1983, 208p., rus] 39-2452

- Revegetation of eroded soils in permafrost areas. Zaitsev, G.A., [1985, p.38-41, rus] 39-2463
Symposium on the use of mathematical modeling in ecological investigations of forests and swamps, Aug. 21-23, 1984. Summaries. [1984, 136p., rus] 39-2580

- Modeling the growth and maintenance-cutting of drained stands. Konstantinov, V.K., [1984, p.56-61, rus] 39-2585
Zonality in the forest flora of Central Khangay (Mongolia). Savina, L.N., [1984, p.82-93, rus] 39-3007

- Environmental changes of highlands in Greater Caucasus due to human activities. Sukhodrovskii, V.L., [1985, p.49-54, rus] 39-3012
Bank erosion, vegetation and permafrost, Tanana River near Fairbanks. Gatto, L.W., [1984, 53p., eng] 39-3030

- Wind and plant-root erosion at high altitudes. Koretskii, A.P., [1984, p.100-102, rus] 39-3064
Reforestation in the southern taiga subzone. Koropachinski, I.U., ed, [1983, 125p., rus] 39-3066

- Natural restoration beneath the canopy of southern taiga. Babintseva, R.M., et al, [1983, p.5-13, rus] 39-3067
Changes in vegetational cover of mixed-grass pine forests due to human activities. Krivichikova, L.D., [1983, p.49-57, rus] 39-3069

- Compilation of maps of water erosion of relief-forming rocks for analyzing and forecasting gully erosion in non-chemozem areas. Lyubimov, B.P., [1985, p.62-70, rus] 39-3105
Biological recultivation of technical wastes in the Far North. Kuz'min, I.U.I., [1985, p.21-24, rus] 39-3106

- Determining soil properties by electric cone penetrometer. Aust, J.A., et al, [1985, p.144-152, eng] 39-3168
Formation of gullies in the Novosibirsk area. Petrova, N.I., [1985, p.60-69, rus] 39-3620

- Landscape-ecological approach to the optimization of natural complexes affected by technology. Motorina, L.V., [1985, p.12-23, rus] 39-3627
Slope processes in cold regions affected by industry. Klevenskaia, I.L., et al, [1985, p.23-38, rus] 39-3628

- Microbial cenoses in Siberian ecosystems affected by technology. Naplekova, N.N., et al, [1985, p.38-69, rus] 39-3629
Dynamics of forest resources in northern Sakhalin Island. Shetngauz, A.S., [1984, p.36-54, rus] 39-3800

- Preservation and stability of landscapes affected by human activities. Matveev, N.P., ed, [1984, 107p., rus] 39-3807
Preservation and stability of mountain landscapes in inner Asia. Mikhailov, I.S., et al, [1984, p.17-23, rus] 39-3808

- Prospects for the development of northern landscapes affected by human activities. Solov'eva, O.V., [1984, p.31-35, rus] 39-3809

- Soil fluidization. See: Thixotropy

- Soil formation. Cryogenesis and the formation of soil. Khudiakov, O.I., [1984, 196p., rus] 39-28

- Soils of the islands and maritime regions of the Pacific Ocean. Proceedings of the 14th Scientific Congress on the Pacific Ocean, Khabarovsk, August, 1979. Ivlev, A.M., ed, [1982, 174p., rus] 39-29

- Pedologic and geographic regionalization of the Far North-East. Ignatenko, N.V., et al, [1982, p.44-96, rus] 39-30

- Behavior of 238-U, 232-Th and 226-Ra in mountain tundra soils. Shukhtomova, I.I., et al. (1983, p.51-56, rus) 39-220
- Life of the Earth. Global tectonics and dynamics of natural processes. Ushakov, S.A., ed. (1984, 152p, rus) 39-389
- Soil formation on light rocks in tundra and forest tundra. Liverovskaya, I.T., (1984, p.85-91, rus) 39-393
- Soil formation and revegetation of permafrost slopes. Shishkina, L.P., et al. (1984, p.91-96, rus) 39-394
- Cryogenic brown soils of Sikhote Alin'. Surina, N.I., et al. (1984, p.10-19, rus) 39-443
- Iron compounds in soddy podzols. Shvarova, T.I.U., (1984, p.79-81, rus) 39-444
- Basic problems in studying fungi in the Far North. Abramov, I.I., et al. (1973, p.331-332, rus) 39-451
- Mobility of lichen compounds from *Gladonia mitis* in arctic soils. Dawson, H.J., et al. (1984, p.40-45, eng) 39-454
- Interrelationships of highland vegetation and soils of the Subarctic Kola Peninsula. Nikonov, V.V., et al. (1984, p.18-19, rus) 39-509
- Radiocarbon dating of paleopodzolic soil, Haugabreen, Norway. Ellis, S., et al. (1984, p.77-91, eng) 39-607
- Ultracontinental taiga soil formation on calcareous loams in Central Yakutia. Sokolov, I.A., et al. (1976, p.144-160, eng) 39-706
- Evolution of taiga soils. Arefeva, Z.N., (1977, p.33-44, rus) 39-883
- Layered hydraulicked beds as bearing grounds in cold regions. Kononov, P.A., et al. (1984, p.25-30, eng) 39-1075
- Soil formation on taiga loams. Gorbachev, V.N., et al. (1984, p.12-18, eng) 39-1080
- Soil formation and weathering in the Far East. Ershov, I.U.I., (1984, 262p, rus) 39-1153
- Land reclamation problems in the Magadan area. Talyzin, I.U.I., (1984, p.31-33, rus) 39-1301
- Soil formation in southern taiga. Dvornikova, L.L., (1984, p.73-79, rus) 39-1304
- Exchange processes in biogeocoenoses. Reports presented at the second annual meeting commemorating academician V.N. Sukachev, Moscow, Oct. 19, 1983. Giliarov, M.S., ed. (1984, 85p, rus) 39-1394
- Flows of material and energy in swamp biogeocoenoses. Pivachenko, N.I., (1984, p.5-32, rus) 39-1395
- Salient characteristics of soil-forming processes in Xizang (Tibet). Gao, Y., et al. (1983, p.11-17, eng) 39-1629
- Impact of human activities on Subalpine soils. Razumov, V.V., (1984, p.109-121, rus) 39-1709
- Soil development in NW Canada and ecological relationships. Pettapeche, W.W., (1984, p.3-17, eng) 39-2263
- Soil development of Quaternary deposits of various ages in the central Yukon Territory. Tarnocai, C., et al. (1985, p.229-238, eng) 39-2330
- Morpholithosystems and landscape structure (exemplified by the Omolon River basin). Egorova, G.N., (1983, 164p, rus) 39-3092
- Water regime of taiga soils in clearings and burned-out areas. Bogatyrev, I.U.G., et al. (1985, p.16-25, rus) 39-3296
- Geochemical landscapes of the Karelia-Kola Peninsula region. Stukkel, G.A., (1985, p.14-21, rus) 39-3540
- Effect of ground water in soil formation, Saskatchewan. Miller, J.J., et al. (1985, p.293-307, eng) 39-3584
- Role of microbes and animals in litter decomposition in cold regions. Naplekova, N.N., et al. (1985, p.70-85, rus) 39-3630
- Weathering and soil development on Baffin Island. Locke, W.W., III, (1985, p.331-353, eng) 39-3936
- Soil freezing**
- Heat and moisture transfer in frost-heaving soils. Guymon, G.L., et al. (1984, p.336-343, eng) 39-24
- Studying winter state of different landscapes. Beruci, shvili, N.L., et al. (1984, p.78-82, rus) 39-39
- Frost heaving of multigraded soils. Johansson, H.G., (1984, p.95-98, eng) 39-147
- Blast waves in frozen soils. Liakhov, G.M., et al. (1984, p.811-815, eng) 39-153
- On physical properties in the process of freezing and the method of its research. Ding, D., (1983, p.19-26, chi) 39-263
- Depth of foundation laying in deeply freezing ground. Elgin, B.B., (1984, p.37-42, rus) 39-415
- Hydraulic tests of oil pipelines in freezing weather. Furman, A.V., (1984, p.79-85, rus) 39-424
- Ground water regime of drained swamps in the eastern Lake Baykal area. Adushinov, A.A., et al. (1983, p.125-130, rus) 39-469
- Nonequilibrium crystallization of moisture in frozen soils. Nesterov, I.I., et al. (1984, p.928-932, rus) 39-746
- Formation and spatial distribution of ground ice accumulations in the Yamal Peninsula. Orlanski, V.V., (1984, p.22-31, rus) 39-835
- Mathematical modeling of freezing and thawing of rocks. Bigeeva, R.B., (1984, p.150-155, rus) 39-853
- Predicting thermal state of the ground during economic development of northern regions. Cherniad'ev, V.P., et al. (1984, 137p, rus) 39-869
- Lake bottom heave in permafrost, Richards L. N.W.T. Mackay, J.R., (1984, p.173-177, eng) 39-882
- Freezing and thawing of soil in the Rocky Mts., Colorado. Cortie, A.E., et al. (1972, p.43-56, eng) 39-884
- "Wall in the ground" at subzero temperatures. Iakimov, E.A., (1984, p.15-16, rus) 39-939
- Suction of water during freezing of soil: a macroscopic model. Blanchard, D., et al. (1982, p.1-4, fre) 39-1209
- Numerical solutions for a rigid-ice model of secondary frost heave. O'Neill, K., et al. (1982, 11p, eng) 39-1266
- Halos of stones. Weisburd, S., (1985, p.42-44, eng) 39-1275
- Radial stresses acting on well walls at different depths during freezing of fluids in caverns. Antipov, V.I., et al. (1984, p.27-28, rus) 39-1836
- Ground freezing problems. Askar, H.G., (1982, 217p, eng) 39-2003
- Frost susceptibility of soil: review of index tests. Chamberlain, E.J., (1981, 110p, eng) 39-2034
- Quick freezing of rocks using liquid nitrogen. Zhitomirsky, I.S., et al. (1984, p.676-678, eng) 39-2043
- Placing of deep pile foundations in permafrost in the USSR. Vialov, S.S., (1984, p.16-17, eng) 39-2121
- Study and practice on deep foundations in permafrost areas of China. Ding, J., (1984, p.18-24, eng) 39-2122
- Design and construction of deep foundations in permafrost: North American practice. Ladanyi, B., (1984, p.43-50, eng) 39-2125
- Deformation of freezing, thawing, and frozen rocks. Lebedenko, I.U.P., et al. (1984, p.248-252, eng) 39-2166
- Freezing of soil with phase change occurring over a finite temperature zone. Lunardini, V.J., (1985, p.38-46, eng) 39-2393
- Laboratory facility for testing sediments containing gas hydrates. Wittebole, R.J., et al. (1985, p.52-58, eng) 39-2395
- Physical simulation of water migration in soil freezing. Kaliuzhnyi, I.L., et al. (1984, p.61-67, eng) 39-2466
- Formation of ice layer continuously segregated in soil freezing. Takeda, K., et al. (1984, p.179-187, jpn) 39-2475
- Mineral concentrations in porous media subject to freezing. Dumont, J.L., (1984, p.41-44, fre) 39-2679
- Frost heave in active layer during freezing. Mackay, J.R., (1984, p.439-446, eng) 39-2681
- Soil freezing and frost heave at Inuvik, N.W.T. Smith, M.W., (1985, p.283-290, eng) 39-2682
- Unfrozen water content in freezing soils. Patterson, D.E., (1980, 69p, eng) 39-2687
- Models of soil freezing. Smith, M.W., (1985, p.96-120, eng) 39-2696
- Investigation of freezing soils using Time Domain Reflectometry. Smith, M.W., et al. (1981, 54p, eng) 39-2704
- Energy balance and ground frost: a statistical analysis. Singh, B., et al. (1984, p.135-147, fre) 39-2720
- Heat transfer studies for heat pipe cooling and freezing of ground. Vasil'ev, L.L., et al. (1982, p.63-71, eng) 39-2910
- Pipelines and frost heave. (1984, 75p, eng) 39-3038
- Soil freezing and frost heaving at the Caen experiment. Smith, M.W., (1984, p.19-21, eng) 39-3040
- Soil freezing and test conditions. McCabe, E.Y., et al. (1984, p.49-53, eng) 39-3047
- Some reflections on fundamental research in the freezing of soils. Aguirre-Puente, J., (1984, p.63-65, eng) 39-3050
- Gravity foundations in very soft Arctic soils. Rojansky, M., et al. (1985, p.1027-1048, eng) 39-3241
- Improving Arctic seafloor soil stability. Mitchell, J.K., (1985, p.1084-1092, eng) 39-3244
- Beaufort Sea deepwater production structure. Padron, D.V., et al. (1985, p.1148-1156, eng) 39-3249
- Thermal regimes for freezing and thawing of moist soils. Civan, F., et al. (1985, p.407-410, eng) 39-3277
- Water migration in unsaturated soils. Shen, Y., et al. (1984, p.61-68, chi) 39-3321
- Adsorption of organic substances on dispersed ice surfaces. Fedoseeva, V.I., et al. (1985, p.124-127, rus) 39-3363
- Freezing device for sampling the sediment-water interface of lakes. Pachur, H.-J., et al. (1984, p.65-70, eng) 39-3389
- Symposium on artificial ground freezing, 1984. (1985, 54p, eng) 39-3406
- Artificial ground freezing in civil engineering. Harris, J.S., (1984, p.1-6, eng) 39-3407
- Control of ground and groundwater for shaft sinking. Ferguson, G.A., et al. (1984, p.7-12, eng) 39-3408
- Some results from a mathematical model predicting ice lensing and frost heave. Piper, D., et al. (1984, p.19-28, eng) 39-3410
- Ice wall design in shaft sinking. Jeffrey, R.J., (1984, p.29-24, eng) 39-3411
- Freeze wall strength and stability—whose theory do you believe. Auld, F.A., (1984, p.35-42, eng) 39-3412
- Experience with a chilled gas pipeline. Kettle, R.J., (1984, p.43-48, eng) 39-3413
- Role of field observations in bridging the gap between theory and practice. Jones, R.H., (1984, p.49-54, eng) 39-3414
- Classification of soils according to the difficulty of their removal by single-bucket loaders. Maslov, V.A., et al. (1984, p.8-10, rus) 39-3875
- Automated soils freezing test. Chamberlain, E.J., (1985, 5p, eng) 39-3903
- Using tritium analysis in geocryological studies. Chizhov, A.B., et al. (1985, p.106-114, rus) 39-3914
- Thermorheological properties of frozen ground. Grechishchev, S.E., (1978, p.595-598, rus) 39-4006
- Adfreezing forces to a pipe within freezing ground. Fukuda, M., et al. (1984, p.185-187, jpn) 39-4048
- Hydraulic potential below frozen ground. Pikul, J.L., Jr., et al. (1985, p.164-168, eng) 39-4053
- Soil mapping**
- Principles of distinguishing soil provinces in geographic regionalization. Urusevskaya, I.S., (1984, p.3-10, rus) 39-442
- Soil formation and weathering in the Far East. Ershov, I.U.I., (1984, 262p, rus) 39-1153
- Photogenic hydrothermal contrasts in landscapes of the Khatanga-Bureya lowlands. Kolomyts, E.G., et al. (1977, p.77-121, rus) 39-1900
- Soil mechanics**
- Frost susceptibility of soil: review of index tests. Chamberlain, E.J., (1981, 110p, eng) 39-2034
- Laws governing the compaction of thawing soils taking dynamic processes into effect. Karlov, V.D., et al. (1984, p.231-235, eng) 39-2163
- Soil movements on permafrost slopes near Fairbanks, Alaska. Wu, T.H., (1984, p.699-709, eng) 39-2272
- Offshore permafrost well design lateral soil movement-induced bending strains. Laut, S.W., et al. (1985, p.47-51, eng) 39-2394
- Response of piles and casings to horizontal free-field soil displacements. Byrne, P.M., et al. (1984, p.720-728, eng) 39-3035
- Soil freezing and frost heaving at the Caen experiment. Smith, M.W., (1984, p.19-21, eng) 39-3040
- Soil-pipe interaction during ground movement. Selvadurai, A.P.S., (1985, p.763-773, eng) 39-3221
- Transient flow process in unsaturated soils. Fredlund, D., et al. (1982, p.307-317, eng) 39-4061
- See also: Frozen ground mechanics
- Soil microbiology**
- Microbiology of soils disturbed by coal mining. Andronova, M.F., (1984, p.82-86, rus) 39-40
- Biological activity of soil in the Far North under conditions of air pollution with industrial wastes. Evdokimova, G.A., et al. (1984, 121p, rus) 39-486
- Alpine tundra soil bacteria. Niwot Ridge, CO. Mancinelli, R.L., (1984, p.185-192, eng) 39-718
- Microflora of litter in northern forests. Makarova, A.P., et al. (1984, p.94-97, rus) 39-796
- Microbe associations in forest biogeocoenoses. Gukasian, A.B., ed. (1983, 122p, rus) 39-956
- Fermentative activity of mountain taiga soils in the West Sayan. Rukosueva, N.P., (1983, p.33-42, rus) 39-957
- Microflora of taiga podzols. Vishniakova, Z.V., et al. (1983, p.46-56, rus) 39-958
- Peculiarities of *Lipomyces* distribution in the mountain-taiga soils of Tuva. Abramenko, N.I., (1983, p.69-73, rus) 39-959
- Microflora and biologic activity in the litter of pine forests of the Angara River area. Bugakova, T.M., et al. (1983, p.101-115, rus) 39-960
- Terrestrial microbiology, invertebrates and ecosystems. Block, W., (1984, p.163-236, eng) 39-1184
- Microbiology of the active layer of swamps. Ivanov, K.E., et al. (1984, p.101-102, rus) 39-1305
- Exchange processes in biogeocoenoses. Reports presented at the second annual meeting commemorating academician V.N. Sukachev, Moscow, Oct. 19, 1983. Giliarov, M.S., ed. (1984, 85p, rus) 39-1394
- Flows of material and energy in swamp biogeocoenoses. Pivachenko, N.I., (1984, p.5-32, rus) 39-1395
- Halotolerant *Planococcus* from antarctic dry valley soil. Miller, K.J., et al. (1984, p.205-209, eng) 39-2326
- Soil microflora during the revegetation of uncovered soils of different mechanical composition in Taymyr tundras. Parinkina, O.M., (1985, p.29-35, rus) 39-2336
- Synecological analysis of yeasts from Taymyr tundras. Chernov, I.U., (1985, p.54-60, rus) 39-2337
- Lower plants under extreme climatic conditions. Martin, J., ed. (1984, 224p, rus) 39-2367
- Initial revegetation stages of bare ground in southern tundras of the Taymyr Peninsula. Pilin, T.Kh., et al. (1984, p.20-50, rus) 39-2369
- All-Union conference on adaptation of organisms to the Arctic environment, Tallin, Nov. 27-30, 1984. Proceedings (1984, 212p, rus) 39-2639
- Adaptability of some types of bacteria and microscopic fungi to low temperatures. Alton, L.V., (1984, p.13-14, rus) 39-2640
- Adaptive peculiarities of soil microorganisms in the Arctic Parinkina, O.M., (1984, p.125-129, rus) 39-2654
- Taxonomic composition and main trends in the evolution of Arctic plants. Khukhrakov, A.P., (1984, p.188-192, rus) 39-2663

Soil microbiology (cont.)

- Changes in chemical and biologic properties of soils beneath forest cultures. Popova, E.P., et al, [1983, p.64-73, rus] 39-3071
- Soil investigation in Antarctica, 1969-70. Claridge, G.C., [1970, p.101-104, eng] 39-3157
- Ecosystems affected by technology: their organization and functioning. Titlianova, A.A., ed, [1985, 136p., rus] 39-3625
- Slope processes in cold regions affected by industry. Klevenkaia, I.L., et al, [1985, p.23-38, rus] 39-3628
- Microbial ctenoses in Siberian ecosystems affected by technology. Naplekova, N.N., et al, [1985, p.38-69, rus] 39-3629
- Role of microbes and animals in litter decomposition in cold regions. Naplekova, N.N., et al, [1985, p.70-85, rus] 39-3630
- Structure and successions of algal ctenoses in recultivated ecosystems of southern Kuzbass. Shushueva, M.G., [1985, p.85-93, rus] 39-3631
- Microorganisms in processes of gleying clay soils. Bolotina, I.N., et al, [1985, p.32-38, rus] 39-3909
- Effects of deicing salt on physical, chemical and biological soil parameters. Brod, H.G., [1984, p.236-242, ger] 39-4050

Soil moisture

See: Soil water

Soil physics

- Measuring accuracy analysis of the heat flux plates. Zhou, Y., et al, [1983, p.77-88, chi] 39-272
- Horizontal infiltration of water in porous materials. Nakano, Y., [1982, p.156-166, eng] 39-1937
- Dielectric measurements of soils in the 3-37 GHz band between -50°C and 23°C. Hallikainen, M., et al, [1984, p.163-168, eng] 39-2533
- Mineral concentrations in porous media subject to freezing. Dumont, J.L., [1984, p.41-44, fre] 39-2679
- Unfrozen water content in freezing soils. Patterson, D.E., [1980, 69p., eng] 39-2687
- Offshore arctic geotechnical engineering. Corwin, R.F., [1985, p.137-143, eng] 39-3167
- Geotechnical properties of samples from borings, Chukchi Sea, Alaska. Winters, W.J., et al, [1984, 55p., eng] 39-3688

See also: Frozen ground physics

Soil pollution

- Microbiology of soils disturbed by coal mining. Andronova, M.F., [1984, p.82-86, rus] 39-40
- Metabolism of the chlororganic combinations in taiga biogeocenoses. Dmitrienko, V.K., et al, [1984, p.21-29, rus] 39-120
- Mobility of lead in freezing-thawing soils. Kuz'menkova, V.S., et al, [1984, p.67-69, rus] 39-421
- Biological activity of soil in the Far North under conditions of air pollution with industrial wastes. Evdokimova, G.A., et al, [1984, 121p., rus] 39-486
- Pollution of moss cover in northern taiga by industrial wastes. Andreeva, E.N., [1984, p.8-9, rus] 39-1426
- Snow cover as an indication of radiation effect on biogeocenoses. Golubeva, E.I., et al, [1984, p.41-42, rus] 39-1427
- Macro- and microelement composition of snow as an index of the polluting effect of an alumina combine. Dronin, N.M., [1984, p.66-67, rus] 39-1428
- Biodegradation of hydrocarbons in the petroleum-polluted soil of northern taiga. Kazakova, E.N., et al, [1984, p.84-85, rus] 39-1429
- Biocindication of natural environment in the Far North. Krut'kov, V.V., [1984, p.106-108, rus] 39-1431
- Environmental impact of economic development of swamps. Khoroshev, P.I., et al, [1984, p.206-207, rus] 39-1434
- Environmental impact of mining in permafrost areas. El'chaninov, E.A., [1984, p.129-135, rus] 39-2339
- Inflow of heavy-metal aerosols into southern taiga landscapes of the central Ural mountains. Mel'chakov, I.U., [1985, p.80-82, rus] 39-3109

Soil pressure

- Improved method for predicting tracked vehicle performance. Wong, J.Y., [1984, p.35-43, eng] 39-88
- Computer-aided pressuremeter tests. Law, K.T., [1984, p.99-103, eng] 39-817
- Model of frost heave and ice lensing including overburden pressure. Frost, S.R., [1984, p.13-18, eng] 39-3409

Soil profiles

- Cryogenic brown soils of Sikhote Alin'. Surina, N.I., et al, [1984, p.10-19, rus] 39-443
- Iron compounds in soddy podzols. Shvarova, T.I.U., [1984, p.79-81, rus] 39-444
- High Arctic soils through the microscope: prospect and retrospect. Bunting, B.T., [1983, p.609-616, eng] 39-868
- Evolution of taiga soils. Aref'eva, Z.N., [1977, p.33-44, rus] 39-883
- Characteristics of hardpans of superficially gleyed tundra soils. Tsypanova, A.N., [1984, p.5-11, eng] 39-1079
- Soil formation on taiga loams. Gorbachev, V.N., et al, [1984, p.12-18, eng] 39-1080

Soil science

- Glacial geology and soils in Beacon Valley. Potter, N., Jr., et al, [1983, p.100-103, eng] 39-4

- Soils of the islands and maritime regions of the Pacific Ocean: Proceedings of the 14th Scientific Congress on the Pacific Ocean. Khabarovsk, August, 1979. Ivlev, A.M., ed, [1982, 174p., rus] 39-29
- Pedologic and geographic regionalization of the Far North-East. Ignatenko, N.V., et al, [1982, p.44-96, rus] 39-30

Soil settling

See: Settlement (structural)

Soil stabilization

- Difficulties in construction on sagging soils. Gol'dshteyn, M.N., [1984, p.9-10, rus] 39-583
- Regularities governing thermal stabilization of ground. Shapar', A.G., et al, [1984, p.38-42, rus] 39-1564
- Characterization and use of fly ash and copper slag: soil stabilization. Das, B.M., et al, [1983, 46p., eng] 39-2091

- Refrigeration pipelines for controlling bearing strength of gas-main foundations. Dvoiris, A.D., et al, [1984, p.44-46, rus] 39-2102

- New mineral forms in soil-lime systems. Levchenko, A.V., et al, [1984, p.26-35, rus] 39-2183

- Numerical analysis of a caisson retained gravel island. Saari, K.H.O., et al, [1985, p.294-301, eng] 39-2427

- Impact of human activities on spruce forest of northern Tien Shan and the dynamics of its recovery. Roldugin, I.L., [1983, 208p., rus] 39-3452

- Improving Arctic seafloor soil stability. Mitchell, J.K., [1985, p.1084-1092, eng] 39-3244

- Seabed strengthening in the Arctic by deep mixing. Quigley, D.W., et al, [1985, p.1093-1102, eng] 39-3245

- Beaufort Sea deepwater production structure. Padron, D.V., et al, [1985, p.1148-1156, eng] 39-3249

- Freeze wall strength and stability—whose theory do you believe. Auld, F.A., [1984, p.35-42, eng] 39-3412

- Role of field observations in bridging the gap between theory and practice. Jones, R.H., [1984, p.49-54, eng] 39-3414

- High pressure jet technology used in construction. Mosin, V.D., [1984, p.189-192, eng] 39-3811

- Jet technology for soil stabilization. Khasin, M.F., et al, [1984, p.196-199, eng] 39-3812

Soil strength

- Impact resistance of soils of varying moisture and temperature. Zebarth, B.J., et al, [1984, p.449-455, eng] 39-492

- Seasonal soil conditions and the reliability of the M15 land mine. Richmond, P.W., et al, [1984, 35p., eng] 39-562

- Some peculiarities of loess soil wetting. Larionov, A.K., et al, [1984, p.11-23, rus] 39-584

- Concrete mix strengthens Arctic seabed. [1984, p.102-105, eng] 39-814

- Changes in strength of silt due to freeze-thaw. Alkire, B.D., et al, [1984, p.48-53, eng] 39-1144

- XSP cone penetrometer: a performance evaluation. Beard, R.M., et al, [1984, 58p., eng] 39-1355

- Pile foundations. [1984, 114p., eng] 39-2088

- Placing of deep pile foundations in permafrost in the USSR. Vialov, S.S., [1984, p.16-17, eng] 39-2121

- Study and practice on deep foundations in permafrost areas of China. Ding, J., [1984, p.18-24, eng] 39-2122

- Some factors influencing iceberg scour estimates. Prasad, K.S.R., et al, [1985, p.302-309, eng] 39-2428

- Tensile strength of unsaturated soils. Snyder, V.A., et al, [1985, p.58-65, eng] 39-2451

- Effects of freeze-thaw softening on a natural clay at low stresses. Graham, J., et al, [1985, p.69-78, eng] 39-2486

- Freeze-thaw and consolidation effects on strength of a wet silt loam. Formanek, G.E., et al, [1984, p.1749-1752, eng] 39-2672

- Building the Alaska highway: political background. Naske, C.M., [1984, p.25-35, eng] 39-2763

- Conferences 1961 to 1981: bibliography. [1984, 165p., eng] 39-2840

- Caen pipeline experiment: first year of results. Ladanyi, B., et al, [1984, p.39-42, eng] 39-3045

- Geotechnical features of Fur Seal Island design. Luscher, U., et al, [1985, p.39-47, eng] 39-3161

- Determining soil properties by electric cone penetrometer. Aust, J.A., et al, [1985, p.144-152, eng] 39-3168

- Constructibility of Arctic offshore structures. Gerwick, B.C., Jr., [1985, p.541-550, eng] 39-3203

- Engineering in the Beaufort, Chukchi and Bering Seas. Dobson, B.M., et al, [1985, p.812-819, eng] 39-3226

- Strength-deformation properties of Arctic silt. Ladd, C.C., et al, [1985, p.820-829, eng] 39-3227

- Gravity foundations in very soft Arctic soils. Rojansky, M., et al, [1985, p.1027-1048, eng] 39-3241

- Foundations and time-dependent ice loadings. Williams, D.R., et al, [1985, p.1063-1074, eng] 39-3242

- Improving Arctic seafloor soil stability. Mitchell, J.K., [1985, p.1084-1092, eng] 39-3244

- Seabed strengthening in the Arctic by deep mixing. Quigley, D.W., et al, [1985, p.1093-1102, eng] 39-3245

- Beaufort Sea deepwater production structure. Padron, D.V., et al, [1985, p.1148-1156, eng] 39-3249

- Symposium on artificial ground freezing, 1984. [1985, 54p., eng] 39-3406

- Ice wall design in shaft sinking. Jeffrey, R.I., [1984, p.29-24, eng] 39-3411

- Freeze wall strength and stability—whose theory do you believe. Auld, F.A., [1984, p.35-42, eng] 39-3412

Soil structure

- Some peculiarities of loess soil wetting. Larionov, A.K., et al, [1984, p.11-23, rus] 39-584

- Slope processes in South Victoria Land. Miotke, F.-D., [1984, p.1-53, eng] 39-725

- High Arctic soils through the microscope: prospect and retrospect. Bunting, B.T., [1983, p.609-616, eng] 39-868

- Mapping taiga soils from satellite photographs. Korsunov, V.M., et al, [1984, p.47-49, rus] 39-1488

- Effects of freeze thaw cycles on structure of loamy sediments. Pissart, A., [1984, p.553-565, eng] 39-2086

- Structure of loamy sediments due to freeze thaw cycles. Van Vliet-Lanoë, B., et al, [1984, p.553-565, eng] 39-2492

- Dimethyl sulfoxide and soil structure during freeze-drying. Keng, J.C.W., et al, [1985, p.289-293, eng] 39-2935

- Soil surveys

- Soil tests from moving ice in the Arctic offshore. Mahar, L.J., et al, [1985, p.169-177, eng] 39-3169

Soil temperature

- Frozen saline soil creep. Nixon, M.S., et al, [1984, p.344-348, eng] 39-25

- Cryogenesis and the formation of soil. Khudiakov, O.I., [1984, 196p., rus] 39-28

- Botanical-geographic characteristics of steppe vegetation in interior Alaska. Urtaev, B.A., [1984, p.743-752, rus] 39-114

- Phenological inversions in western Tien Shan. Lynov, I.U.S., [1984, p.29-33, rus] 39-121

- Morphology and environment of some periglacial features on South Georgia. Heilbronn, T.D., et al, [1984, p.21-36, eng] 39-138

- Blast waves in frozen soils. Liakhov, G.M., et al, [1984, p.811-815, eng] 39-153

- Plants growing in cold rocky soil. Gorshkova, A.A., [1973, p.122-124, rus] 39-447

- Seasonal variations in high-altitude vegetation of Tien Shan. Lynov, I.U.S., [1984, p.86-96, rus] 39-672

- Effect of soil and vegetation removal on soil temperature regime in quarries. Vasil'ev, I.M., et al, [1980, p.20-24, rus] 39-751

- Increased snow melting due to longwave radiation from snowfree ground. Roland, E., [1984, p.5.117-5.125, eng] 39-1299

- Investigations of the forestry research station of the Academy of Sciences of the USSR. Vomperski, S.E., ed, [1984, 173p., rus] 39-1412

- Studies of northern taiga forests at the Onega research station. Rysin, L.P., [1984, p.10-24, rus] 39-1413

- Studying taiga vegetation in the Severnaya research station. Orlov, A.I.A., [1984, p.36-57, rus] 39-1414

- Pine forests of northern Europe. Ziabchenko, S.S., [1984, 247p., rus] 39-1443

- Reconstructions and future predictions of the effects of climate change. Gray, J.T., [1984, p.156-159, eng] 39-2148

- Characteristics of soil temperature regimes in the Inuvik area. Tarnocai, C., [1984, p.19-37, eng] 39-2264

- Monthly winter soil temperatures at Ottawa. Dwyer, L.M., et al, [1985, p.109-122, eng] 39-2758

- Light conditions and plant growth under snow. Salisbury, F.B., [1984, p.39-50, eng] 39-2932

- Permafrost in the Mackenzie Delta, Northwest Territories. Smith, M.W., [1976, 34p., eng] 39-3053

- Air and soil temperature under radiative frost conditions. Cellier, P., [1984, p.741-747, fre] 39-3366

- Snow effects on pile design temperatures. Metz, M.C., et al, [1985, p.52-60, eng] 39-3582

- Temperature and transport of ground at a nivation site, N. Norway. Hall, K.J., [1985, p.27-37, eng] 39-3587

See also: Frozen ground temperature

Soil texture

- Grass seeding tests in the Mackenzie Delta region, N.W.T. Younkun, W.E., et al, [1976, 59p., eng] 39-729

- Proceedings: Resources and dynamics of the boreal zone. [1983, 544p., eng] 39-1517

- Classification and ordination of forest ecosystems in the Great Claybelt of northeastern Ontario. Jones, R.K., et al, [1983, p.83-96, eng] 39-1520

- Salient characteristics of soil-forming processes in Xizang (Tibet). Gao, Y., et al, [1983, p.11-17, eng] 39-1629

Soil thawing

See: Ground thawing

Soil trafficability

- Vehicle traction mechanics. Yong, R.N., et al, [1984, 307p., eng] 39-544

- Trafficability of peat soils for tractors. Kochedykov, A.K., [1984, p.4-7, rus] 39-3740

Soil veins

See: Patterned ground

- Soil water**
- Mobility of lichen compounds from *Gladonia mitis* in arctic soils. Dawson, H.J., et al. (1984, p.40-45, eng) 39-454
- Calculating soil moisture for roadbed construction. Alekshov, S.V., et al. (1984, p.105-109, rus) 39-594
- Near-surface ground ice in Arctic Alaska. Outcalt, S.I. (1982, p.123-147, eng) 39-660
- Adaptations of *Luzula confusa* to the polar semi-desert environment. Addison, P.A., et al. (1984, p.121-132, eng) 39-712
- Dynamics of mosses in forest and peatland, SE Labrador, Canada. Foster, D.R., (1984, p.133-140, eng) 39-713
- Terrestrial environment. Walton, D.W.H., (1984, p.1-60, eng) 39-1182
- Effect of loading on the unfrozen water content of silt. Oliphant, J.L., et al. (1983, 17p., eng) 39-1370
- Classification and ordination of forest ecosystems in the Great Claybelt of northeastern Ontario. Jones, R.K., et al. (1983, p.83-96, eng) 39-1820
- Water regime of plants on Wrangel Island. Sveshnikova, V.M., (1984, p.1167-1173, rus) 39-1565
- Estimating suitability of earth for erecting dams in permafrost areas. Kadkina, E.L., (1984, p.34-36, rus) 39-1590
- Geological, zonal and climatic peculiarities of landslide formation. Shebenia, N.L., et al. (1984, 125p., rus) 39-2042
- Physicochemical nature of the formation of unfrozen water in frozen soils. Akimov, I.U.P., et al. (1984, p.195-199, eng) 39-2155
- Theory of desiccation of unconsolidated rocks in areas with negative temperatures. Komarov, I.A., (1984, p.236-241, eng) 39-2164
- Migration of elements in water in taiga-permafrost landscapes. Makarov, V.N., (1984, p.253-258, eng) 39-2167
- Interaction of self heated thermistor probe with a freezing front moving through moist porous media. Pinchak, A.C., (1985, p.16-21, eng) 39-2390
- Analyzing numerical errors in domain heat transport models using the CVBEM. Hromadka, T.V., II, (1985, p.22-30, eng) 39-2391
- Dielectric measurements of soils in the 3-37 GHz band between -50 C and 23 C. Hallikainen, M., et al. (1984, p.163-168, eng) 39-2533
- Behaviour of soils in the Arctic. Blanchard, D., et al. (1984, p.27-30, eng) 39-3042
- Thermal regimes for freezing and thawing of moist soils. Civan, F., et al. (1985, p.407-410, eng) 39-3277
- Variability of common pine in the Angara River area. Kuz'mina, N.A., (1985, p.40-46, rus) 39-3297
- Heat and water movement in a partially frozen soil. Hornung, U., (1983, p.162-170, eng) 39-3966
- See also: Unfrozen water content
- Soil water migration**
- Phenological inversions in western Tien Shan. Lynov, I.U.S., (1984, p.29-33, rus) 39-121
- Determination of frost-heave forces in soils. Tishin, V.G., et al. (1984, p.240-243, eng) 39-151
- Effect of temperature changes on salt transfer in ground water. Konosavskii, P.K., (1984, p.63-66, rus) 39-420
- Mobility of lead in freezing-thawing soils. Kuz'menkova, V.S., et al. (1984, p.67-69, rus) 39-421
- Geochemical surveys in taiga. Lomonosov, I.S., et al. (1983, p.50-61, rus) 39-467
- Nonequilibrium crystallization of moisture in frozen soils. Nesterov, I.I., et al. (1984, p.928-932, rus) 39-746
- Migration of ore elements in cryolithozones. Vagner, B.B., (1984, p.85-89, rus) 39-749
- Model of ice segregation in soils. Hromadka, T.V., II, et al. (1984, p.515-520, eng) 39-1053
- Deuterium diffusion in a soil-water-ice mixture. Oliphant, J.L., et al. (1984, 11p., eng) 39-1139
- Using mobile elements in search for deeply buried ore bodies. Vinokurov, I.P., et al. (1984, p.73-79, rus) 39-1199
- Suction of water during freezing of soil: a macroscopic model. Blanchard, D., et al. (1982, p.1-4, fre) 39-1209
- Isotopic tracing of melt-water in the soil and estimation of groundwater recharge. Saxena, R.K., et al. (1984, p.539-544, eng) 39-1296
- Engineering geology, Section S.17. Proceedings, Vol.17. (1984, 144p., rus) 39-1437
- Physico-chemical processes in freezing fines. Ershov, E.D., (1984, p.129-136, rus) 39-1440
- Identifying damages of airport pavements. Smirnov, E.N., et al. (1984, 152p., rus) 39-1554
- Transport of water in frozen soil. Nakano, Y., et al. (1984, p.172-179, eng) 39-1719
- Role of heat and water transport in frost heaving of porous soils. Nakano, Y., et al. (1984, p.93-102, eng) 39-1936
- Horizontal infiltration of water in porous materials. Nakano, Y., (1982, p.156-166, eng) 39-1937
- Effects of ice content on the transport of water in frozen soils. Nakano, Y., et al. (1984, p.28-34, eng) 39-1945
- Current developments in China on frost-heave processes in soil. Chen, X., (1984, p.55-60, eng) 39-2127
- Moisture migration in frozen soils. Williams, P.J., (1984, p.64-66, eng) 39-2129
- Pile foundations of buildings and structures on sagging ground. Grigorov, A.A., (1984, 162p., rus) 39-2239
- Role of mountain forests in water protection. Lebedev, A.V., (1984, p.156-164, rus) 39-2352
- Physical simulation of water migration in soil freezing. Kaluzhnyi, I.L., et al. (1984, p.61-67, eng) 39-2466
- Effect of ice surface orientation on intensity of water-to-ice heat transfer under free convection conditions. Gogolev, E.S., et al. (1984, p.321-324, eng) 39-2550
- Investigation of thermally actuated water migration in frozen soils. Williams, P.J., et al. (1980, 59p. + appenda., eng) 39-2685
- Temperature-induced water migration in saturated frozen soils. Perfect, E., (1980, 81p. + appenda., eng) 39-2703
- Behavior of cold gas pipelines and cryogenic suction. Blanchard, D., et al. (1985, p.(124)1-(124)6, fre) 39-2869
- Water regime of cryogenic chernozem-meadow soils of Yakutia. Semenova, T.N., (1984, p.61-65, rus) 39-3025
- Water regime of burned-out areas in northern taiga. Tarabukina, V.G., et al. (1984, p.72-75, rus) 39-3027
- Water migration in unsaturated soils. Shen, Y., et al. (1984, p.61-68, chi) 39-3321
- Relation of surface-electrical properties to ion mobility in permafrost. Romanov, V.P., (1985, p.107-115, rus) 39-3361
- Construction in paludal loess areas. Gospodinov, D.G., et al. (1985, p.54-60, rus) 39-3619
- Soil water resources and water availability for plants. Budagovskii, A.I., (1985, p.3-13, rus) 39-3748
- Tele-indication of dynamic states of soil and vegetation covers. Konstantinov, V.D., et al. (1985, p.112-119, rus) 39-3826
- Roadbed construction in the North. Tkachenko, V.I.A., et al. (1984, p.7-8, rus) 39-3874
- Thermorheological properties of frozen ground. Grechishchev, S.E., (1978, p.595-598, rus) 39-4006
- Hydraulic potential below frozen ground. Pikul, J.L., Jr., et al. (1985, p.164-168, eng) 39-4053
- Transient flow process in unsaturated soils. Fredlund, D., et al. (1982, p.307-317, eng) 39-4061
- Soils**
- Soil-landscape relations in northern Alaska. Everett, K.R., (1981, 357p., eng) 39-3511
- Classification of soils according to the difficulty of their removal by single-bucket loaders. Maslov, V.A., et al. (1984, p.8-10, rus) 39-3875
- See also specific types of soils
- Solar activity**
- Numerical response of the middle atmosphere to the 11-year solar cycle. Garcia, R.R., et al. (1984, p.411-423, eng) 39-17
- Solar radiation**
- Numerical response of the middle atmosphere to the 11-year solar cycle. Garcia, R.R., et al. (1984, p.411-423, eng) 39-17
- Dynamical heat-flux feedbacks and global climate stability. Molnar, G., et al. (1984, p.106-110, eng) 39-182
- Albedo of sea ice and solar irradiance. Grenfell, T.C., et al. (1984, p.3573-3580, eng) 39-258
- Hydrobiological regime of northern lakes. Pautova, V.N., et al. (1984, p.23-30, rus) 39-322
- On the decay and retreat of the ice cover in the summer MIZ. Maykut, G.A., (1984, p.15-22, eng) 39-363
- Trees and shrubs growing on mudflow cones. Khomullo, O.N., (1984, p.37-38, rus) 39-514
- Near surface temperature regime of the Antarctic. Carroll, J.J., (1984, p.4941-4952, eng) 39-762
- Subglacial heating of water in icebound lakes. Petrov, M.P., (1984, p.88-92, rus) 39-914
- Thermal metamorphism of antarctic sea ice. Nazintsev, I.U.L., et al. (1984, p.23-29, rus) 39-975
- Radiation budget in the Alpine region. Müller, H., (1984, 167p., ger) 39-991
- Simulating the effects of dust on arctic snowmelt. Woo, M., (1984, p.597-5116, eng) 39-1298
- Exchange processes in biogeocenoses. Reports presented at the second annual meeting commemorating academician V.N. Sukachev, Moscow, Oct. 19, 1983. Giliarov, M.S., ed. (1984, 85p., rus) 39-1394
- Flows of material and energy in swamp biogeocenoses. Pivachenko, N.I., (1984, p.5-32, rus) 39-1395
- Light regime of different central taiga forests. Kishchenko, I.T., (1984, p.17-21, rus) 39-1568
- Estimating radiation balance of mountain glaciers. Cherkasov, P.A., (1983, p.16-27, rus) 39-1918
- Snow accumulation, firm temperature and solar radiation. Swiss Alps. Alean, J., et al. (1983, p.131-147, eng) 39-1964
- Energy-budget model of snowmelt in southern and east-central Wisconsin. Aguado, E., (1983, 202p., eng) 39-2007
- Reflected solar radiances from regional scale scenes. Davis, J.M., et al. (1982, p.1698-1712, eng) 39-2218
- Empirical relationship between dust content and Arctic snow albedo. Woo, M., et al. (1985, p.125-132, eng) 39-2555
- Approach to snow propagation modeling. Koh, G., (1984, p.247-259, eng) 39-2965
- Solid liquid interfaces**
- See: Liquid solid interfaces
- Solid phases**
- Cryocrystals. Prikhod'ko, A.F., et al. (1983, 526p., rus) 39-1317
- Solution of a solidification problem. Bell, G.E., (1983, p.124-133, eng) 39-3964
- Solids**
- Freeze crystallization. Heist, J.A., (1979, p.72-82, eng) 39-277
- Duration of the freezing of bodies with variable temperature of the medium. Koval'kov, V.P., (1984, p.78-84, eng) 39-352
- Separation of solids from snow-water mixture. Umemura, T., et al. (1984, p.171-178, jpn) 39-775
- Solifaction**
- Regional characteristics of soil formation in monsoon areas after forest fires. Sapozhnikov, A.P., (1982, p.117-124, rus) 39-31
- Environmental protection in permafrost areas. Leshchikov, F.N., et al. (1982, p.113-118, rus) 39-36
- "Ploughing blocks" in Tien Shan highlands. Tarakanov, A.G., (1984, p.88-95, rus) 39-318
- Slope processes in South Victoria Land. Miotke, F.D., (1984, p.1-53, eng) 39-725
- Methods of measuring rock stream movements. Govorushko, S.M., (1984, p.128-137, rus) 39-850
- Permafrost weathering and mineral transport and accumulations. Khmeleva, N.V., et al. (1984, p.67-73, rus) 39-1198
- Contrasts and the dynamics of the natural-territorial structure of the southern part of the Bureinsky Range. Golubchikov, I.U.N., (1977, p.8-18, rus) 39-1898
- Structures for gas transportation to northern mines. Zinevich, A.M., et al. (1985, p.14-15, rus) 39-2224
- Estimation of the length of evacuation cones of mudflows. Stepanov, B.S., et al. (1984, p.39-42, rus) 39-2284
- Udoka (natural resources and their development). Narkeiun, L.F., ed. (1985, 230p., rus) 39-3594
- Construction in paludal loess areas. Gospodinov, D.G., et al. (1985, p.54-60, rus) 39-3619
- Formation of gullies in the Novosibirsk area. Petrova, N.I., (1985, p.60-69, rus) 39-3620
- Preservation and stability of mountain landscapes in inner Asia. Mikhailov, I.S., et al. (1984, p.17-23, rus) 39-3808
- Solubility**
- Freeze-thaw effect on hydrophobic components in micelles. Kano, K., et al. (1984, p.5087-5092, eng) 39-2713
- Solutions**
- Molecular structure of crystals in frozen aqueous solutions. Milligan, R.A., et al. (1984, p.1-9, eng) 39-231
- Freeze crystallization. Heist, J.A., (1979, p.72-82, eng) 39-277
- Effect of temperature changes on salt transfer in ground water. Konosavskii, P.K., (1984, p.63-66, rus) 39-420
- Mobility of lead in freezing-thawing soils. Kuz'menkova, V.S., et al. (1984, p.67-69, rus) 39-421
- Migration of ore elements in cryolithozones. Vagner, B.B., (1984, p.85-89, rus) 39-749
- Water and aqueous solutions. Horne, R.A., ed. (1972, 837p., eng) 39-805
- Nucleation and growth of ice in solutions. MacFarlane, D.R., (1982, 411p., eng) 39-2005
- Ice crystal growth in forced convection system. Dash, S.K., (1983, 232p., eng) 39-2010
- Nucleation of ice in undercooled water and aqueous polymer solutions. Franks, F., et al. (1984, p.275-285, eng) 39-2051
- Formation of anisotropic ice-agar composites by directional freezing. Tong, H., et al. (1984, p.589-595, eng) 39-2064
- On the physicochemical properties of the surface of dispersed ice (snow). Fedoseev, N.F., et al. (1984, p.222-225, eng) 39-2161
- Mass crystallization and crystal growth rate. Moshinskii, A.I., et al. (1984, p.899-904, eng) 39-3819
- Process of making calcium acetate deicing agents. Gancy, A.B., (1983, 10 col., eng) 39-3856
- Process of making two uniform grades of calcium magnesium acetate. Gancy, A.B., (1983, 6 col. + figs., eng) 39-3857
- Novel road and highway deicer and traction agent, and process for its manufacture. Gancy, A.B., (1984, 8 col., eng) 39-3860
- Process of making calcium acetate deicing agents and product. Gancy, A.B., (1984, 10 col., eng) 39-3861
- Coarse-particle calcium/magnesium acetate suitable for roadway and walkway deicing, and process for its manufacture. Gancy, A.B., (1984, 10 col., eng) 39-3862
- Hydrogen evolution in liquid and frozen aqueous electrolyte. Frese, U., et al. (1985, p.1059-1062, eng) 39-3924

Solutions (cont.)

- Heat and mass transfer during freezing of aqueous solutions. Wollhöver, K., et al., (1985, p.761-769, eng) 39-3925
- Use of solutions for melting icy surfaces. Titzenthaler, E., et al., (1979, 4 col. + fig., ger) 39-4018

Sensors

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Sorting

- Halos of stones. Weisburd, S., (1985, p.42-44, eng) 39-1275

Sound transmission

- Scientific and engineering studies: underwater acoustics in the Arctic. (1984, var.p., eng) 39-940
- Underwater Sound Laboratory's Arctic research program, 1958-1962. Wilson, D.P., et al., (1984, 37p., eng) 39-941
- TRISTEN/FRAM II cruise report, East Arctic, April 1980. DiNapoli, F.R., et al., (1984, 24p., eng) 39-942
- FRAM 'I single channel ambient noise statistics. Dwyer, R.F., (1984, 29p., eng) 39-943
- Acoustic problems. Dwyer, R.F., (1984, 2p., eng) 39-944

- Under ice ambient noise measurement. Dwyer, R.F., (1984, 15p., eng) 39-945

- Evaluation of Arctic transmission loss models. Deavenport, R.L., et al., (1984, 21p., eng) 39-946

- Ray-mode equivalence in the Arctic sound channel. Mellen, R.H., (1984, 20p., eng) 39-947

- TRISTEN/FRAM IV CW spatial coherence and temporal stability. DiNapoli, F.R., et al., (1984, 22p., eng) 39-948

- TRISTEN/FRAM IV Arctic ambient noise measurements. Nielsen, R.J., et al., (1984, 12p., eng) 39-949

- Underwater acoustics in the Arctic Ocean. Mellen, R.H., et al., (1984, 6p., eng) 39-950

- Hydroacoustic techniques for research and exploitation of the ocean. Bogorodskii, A.V., et al., (1984, 264p., rus) 39-1667

- Under-ice noise produced by helicopters and tracked vehicles. De Heering, P., et al., (1984, p.1005-1007, eng) 39-3267

- Sound and the sea. Kliukin, I.I., (1984, 145p., rus) 39-3590

Sound waves

- Moving ripples of solar haloes. Archenhold, G.H., (1984, p.122-125, eng) 39-1315

- Piezoelectric theory and its application to ice. Whalley, E., et al., (1984, p.6119-6123, eng) 39-2816

- Sound and the sea. Kliukin, I.I., (1984, 145p., rus) 39-3590

Sounding

- Hydroacoustic techniques for research and exploitation of the ocean. Bogorodskii, A.V., et al., (1984, 264p., rus) 39-1667

- Electronic design and performance of an impulse radar ice-depth sounding system used on the Vatanjokull ice-cap, Iceland. Cumming, A.D.G., et al., (1984, p.111-125, eng) 39-2305

- Dynamic (percussion) sounding of snow cover. Ermakov, K.K., et al., (1984, p.147-155, rus) 39-2781

- Atmospheric boundary layer changes at Filchner Station. Schaller, E., (1985, p.72-77, ger) 39-2809

- Case study of a mesoscale disturbance at Filchner Station. Halbiguth, G., (1985, p.96-103, ger) 39-2812

- Antarctic ice. Radok, U., (1985, p.98-105, eng) 39-3642

- Thermal convection in ice sheets: we look but do not see. Hughes, T., (1985, p.39-48, eng) 39-3723

- Electrical resistivity soundings of glacier beds. Haeblerli, W., et al., (1984, p.373-376, eng) 39-3791

- Presence of a salty sheet trapped under the permafrost of Seymour Island, northeast of the Antarctic Peninsula. Fournier, H., et al., (1984, p.83-85, spa) 39-3944

- Case studies of snow clouds by means of snow crystal sondes. Irikawa, S., et al., (1984, p.101-112, jpn) 39-4039

See also: Echo sounding; Radio echo soundings

South Africa

- Lacustrine glacier retreat sequence from the Permo-Carboniferous Dwyka Formation, Republic of South Africa. Visser, J.N.J., (1983, p.515-520, eng) 39-214

South Georgia

- Morphology and environment of some periglacial features on South Georgia. Heilbronn, T.D., et al., (1984, p.21-36, eng) 39-138

- Glacier fluctuations in South Georgia, 1883-1974. Hayward, R.J.C., (1983, p.47-61, eng) 39-1360

- Freeze thaw cycles, leaching and loss of soluble leaf carbohydrates. Hurst, J.L., et al., (1985, p.27-31, eng) 39-3557

- Argentine and Chilean tundra between parallels 51 and 56 S. Roig, F.A., (1984, p.174-196, spa) 39-3949

Spaceborne photography

- Satellite glaciology project. Williams, R.S., Jr., et al., (1983, p.119-121, eng) 39-15

- Orthophotographic map of Vernagtferner, Austria. Rentach, H., (1983, p.85-91, ger) 39-50

- Ice floe tracing of oceanic currents. Ginzburg, A.I., et al., (1984, p.481-484, rus) 39-149

- Satellite techniques of studying ocean dynamics. Fedorov, K.N., (1984, p.3-13, rus) 39-157

- Using space imagery in compiling landscape maps. Riabchikova, V.I., (1984, p.39-45, rus) 39-159

- Satellite surveying of northern forests. El'man, R.I., et al., (1984, p.53-55, rus) 39-340

- Spaceborne photography in road construction. Revzon, A.L., et al., (1984, p.15-17, rus) 39-354

- Life of the Earth. Global tectonics and dynamics of natural processes. Ushakov, S.A., ed., (1984, 152p., rus) 39-389

- Satellite information for studying snow and ice covers. Ushakova, L.A., (1984, p.73-79, rus) 39-392

- Mean position of the snow cover boundaries in the Northern Hemisphere. Budovyf, V.D., et al., (1983, p.88-90, eng) 39-587

- Using satellite information on the seasonal snow-line elevation in hydrologic forecasts of Central Asian rivers. Chernov, V.I.U., (1984, p.3-14, rus) 39-629

- Jakobshavn Glacier drainage basin: a balance assessment. Bindshadler, R.A., (1984, p.2066-2072, eng) 39-678

- Relations between naled thickness and elevations in river basins. Kosenkov, V.L., et al., (1984, p.51-55, rus) 39-839

- Satellite observations over Antarctica. Germandt, H., (1984, p.9-14, eng) 39-856

- Cosmo-geological methods of investigating the Arctic. Lopatin, B.G., ed., (1984, 108p., rus) 39-1107

- Influence of Arctic natural conditions on the information content of satellite photographs. Kutelnikova, N.S., et al., (1984, p.5-11, rus) 39-1108

- Geomorphologic regionalization of northern landscapes from satellite photographs. Musatov, E.E., (1984, p.67-83, rus) 39-1109

- Combined use of geological and geophysical data, bathymetry, and satellite photographs in morpho-structural analyses of the western Arctic shelf. Zarkhidze, V.S., et al., (1984, p.84-93, rus) 39-1110

- Interpretation of anomalies on spaceborne photographs of Arctic Ocean bottom. Gurevich, V.I., et al., (1984, p.94-108, rus) 39-1111

- Aerial, satellite and cartographic methods of studying environments. Summaries of reports presented at the 4th section of the 7th meeting of the Geographic Society of the USSR. Kondrat'ev, K.I.A., ed., (1980, 126p., rus) 39-1327

- Using satellite information in hydrologic studies of mountainous countries. Ivanian, G.A., et al., (1980, p.8, rus) 39-1328

- Combined geographic investigation methods of Siberia. Plastinin, L.A., et al., (1980, p.14-16, rus) 39-1329

- Mapping subarctic regions from satellite photographs. Astakhova, V.A., et al., (1980, p.20-22, rus) 39-1330

- Studying northwestern Siberian landscapes from satellite photographs. Moskalenko, N.G., et al., (1980, p.29, rus) 39-1332

- Estimating the state of forests after fires from satellite photographs. Furiaev, V.V., et al., (1980, p.31-32, rus) 39-1333

- Using aerial and satellite information in geological mapping. Deleu, M.S., et al., (1980, p.39-41, rus) 39-1335

- Environmental impact of human activities. Kontoboltseva, I.S., et al., (1984, p.11-18, rus) 39-1386

- Glacial mudflows in the Himalayas. Sen'kovskaya, N.F., (1984, p.81-87, rus) 39-1388

- NOAA environment satellites. Steggall, N., (1982, p.34-35, eng) 39-1478

- All-Union Conference on aerial and space methods of studying forests, Krasnoyarsk, July 7-9, 1984. Summaries of reports. (1984, 186p., rus) 39-1480

- Aerial and satellite surveys of Siberian forests. Isaev, A.S., (1984, p.3-5, rus) 39-1481

- Thematic mapping of forests from satellite photographs. Stoliarov, D.P., et al., (1984, p.33-35, rus) 39-1484

- Mapping taiga from satellite photographs. Plastinin, L.A., (1984, p.39-40, rus) 39-1485

- Satellite technique of mapping mountain taiga. Abalakov, A.D., (1984, p.41-42, rus) 39-1486

- Satellite methods of studying soil cover of forest lands. Andronikov, V.L., et al., (1984, p.45-47, rus) 39-1487

- Mapping taiga soils from satellite photographs. Korsunov, V.M., et al., (1984, p.47-49, rus) 39-1488

- Compiling geobotanical map of northern taiga. Paiankai-Gvozdeva, I.I., (1984, p.59-60, rus) 39-1491

- Forest cover differentiation on satellite photographs. Gribanov, V.I.A., et al., (1984, p.64-67, rus) 39-1492

- Sea ice variations around West Antarctica. Parkinson, C.L., (1984, p.222-236, eng) 39-1510

- Use of aerial and satellite information in studying continental waters. Usachev, V.F., ed., (1984, 125p., rus) 39-1687

- Zones of runoff formation indicated by vegetation on spaceborne photographs. Sumarokova, V.V., (1984, p.3-11, rus) 39-1688

- Chronologic changes in snow line position from satellite photographs. Prokacheva, V.G., et al., (1984, p.20-28, rus) 39-1689

- Observing snow melting in industrial centers. Prokacheva, V.G., et al., (1984, p.28-36, rus) 39-1690

- Ice conditions on the Zeya reservoir from satellite information. Desiatova, G.I., et al., (1984, p.51-54, rus) 39-1693

- Riverbed processes in temperate and in permafrost zones. Snishchenko, D.V., (1984, p.55-59, rus) 39-1694

- Identifying the boundaries of ground-water naleds on aerial photographs. Griazeva, L.I., et al., (1984, p.63-73, rus) 39-1696

- Combined satellite surveys of Siberia. Ianashin, A.L., ed., (1984, 96p., rus) 39-1972

- Satellite surveys of different climatic zones. Ziat'kova, L.K., (1984, p.71-79, rus) 39-1973

- Interpretation of winter-time satellite photographs of mountains. Volkov, I.A., (1984, p.79-85 + 16 plates, rus) 39-1974

- Calculating spring flood water from satellite photographs. Vostrakova, N.V., (1984, p.85-88, rus) 39-1975

- Environments of the Earth as seen from space. Koslov, N.P., ed., (1984, 151p., rus) 39-2037

- Studying taiga soil and vegetation on aerial and satellite photographs. Gorozhankina, S.M., et al., (1984, p.42-52, rus) 39-2056

- Numerical interpretation of spaceborne side-looking radar images. Pichugin, A.P., et al., (1984, p.82-90, rus) 39-2057

- Operational weather forecasting using weather satellite imagery in Antarctica. Foster, M.S., (1983, p.21-24, eng) 39-2592

- Sea ice variations in the Weddell Sea. Glode, P., et al., (1983, p.195-199, eng) 39-2612

- Radiothermal emission of melting ice. Kondrat'ev, K.I.A., et al., (1985, p.839-842, rus) 39-2730

- Eighteenth Assembly of the IUGG on hydrology and glaciology. Kotliakov, V.M., et al., (1984, p.3-7, rus) 39-2765

- Doppler satellite measurements on the Antarctic Peninsula. Seiber, G., (1985, p.124-129, ger) 39-2815

- Use of satellite information in geocryological studies. Shata, M.M., et al., (1985, p.174-178, rus) 39-3018

- Landscapes of western Siberia: mapping, evaluation, forecasts of development. Bulatov, V.I., ed., (1984, 115p., rus) 39-3078

- Medium-scale landscape map of the Yamal Peninsula. Kozin, V.V., et al., (1984, p.34-40, rus) 39-3080

- Determination of packing density of sea ice from satellite photographs. Alekandrov, V.I.U., et al., (1985, p.5-11, rus) 39-3104

- Determining mean thickness of ground-water naleds. Markov, M.L., (1984, p.61-69, rus) 39-3347

- Satellite methods of ground-water prospecting. Sadov, A.V., et al., (1985, 144p., rus) 39-3686

- Mapping exogenic processes from satellite pictures. Abalakov, A.D., (1985, p.59-67, rus) 39-3824

- Tele-indication of dynamic states of soil and vegetation covers. Konstantinov, V.D., et al., (1985, p.112-119, rus) 39-3826

- Decay of sea ice in the North Water polynya. Ito, H., (1985, p.8102-8110, eng) 39-4008

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Spacecraft

- Satellite glaciology project. Williams, R.S., Jr., et al., (1983, p.119-121, eng) 39-15

- Satellite observations of ice shelf drift. Gerdau, H., et al., (1984, p.161-175, ger) 39-1025

- Satellite measurement of antarctic glacier drift. Seiber, G., et al., (1984, p.176-186, ger) 39-1026

- Potential icing of the space shuttle external tank. Ferrick, M.G., et al., (1982, 305p., eng) 39-1712

- Depolarizing effects of rain and ice on satellite links. Runyon, D.L., Jr., et al., (1983, 299p., eng) 39-1715

- Thermal protection system for the space shuttle external tank. Ronquillo, L., et al., (1984, p.228-250, eng) 39-1734

- Chilean antarctic deployment of automatic weather stations. Araya F., M., et al., (1983, p.39-68, eng) 39-2594

- Summer Arctic sea ice character from satellite microwave data. Carsey, F.D., (1985, p.5015-5034, eng) 39-3435

- Processes and imagery of first-year fast sea ice during the melt season. Holt, B., et al., (1985, p.5045-5062, eng) 39-3437

- Chilean low cost and accurate remote sensing technology. Araya F., M., (1984, p.85-90, eng) 39-4069

Specific volume

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Spectra

- Observations of volcanic tremor at Mount St. Helens volcano. Fehler, M., (1984, p.3476-3484, eng) 39-325

- Spectra of H₂O and D₂O ice clathrates. Johari, G.P., et al., (1984, p.281-284, eng) 39-359

- Atmospheric turbulence measurements at SNOW-ONE-B. Andreas, E.L., (1983, p.81-87, eng) 39-1953

- Irradiation of amorphous and polycrystalline ice. Freeman, C.G., et al., (1984, p.5252-5254, eng) 39-2044

- Lattice mode spectra of ice Ih and amorphous solid water. Nielson, G., et al., (1984, p.5288-5301, eng) 39-2045
- Spectral reflection of snow, ice and water. Zeng, Q., et al., (1984, p.647-656, eng) 39-2085
- Surface based brightness temperatures of sea ice in the Bering and Greenland seas. Grenfell, T.C., (1984, p.385-389, eng) 39-2543
- SMART measurements at SNOW-TWO. Crow, S.B., et al., (1984, p.53-72, eng) 39-2948
- Spectral reflection of snow cover. Cao, M., et al., (1984, p.15-26, chi) 39-3513
- Polarimetry and photometry of the antarctic sky. Egan, W.G., (1985, p.1845-1854, eng) 39-3712
- Spectroscopy**
Applying television techniques to studying ice crystal coagulation. Kim, N.S., et al., (1984, p.96-101, rus) 39-483
See also: Ice spectroscopy; Infrared spectroscopy
- Spillways**
Performance of mechanical equipment of hydroelectric power plants under northern conditions. Martenson, V.I.A., (1984, p.31-34, rus) 39-894
- Seepage and thermal regime of concrete-earth junctions. Gorokhov, E.N., et al., (1984, p.45-46, rus) 39-1595
- Design of intercepting dams for glacial mudflows. Zhakishchev, M.A., (1984, p.96-103, rus) 39-2253
- Radial spillway gates of northern hydroelectric power plants. Sitianskii, A.I., (1985, p.414-418, eng) 39-3815
- Sporadic permafrost**
Glaciers, snow cover and avalanches in the mountains of Kazakhstan. Tokmagambetov, G.A., ed., (1983, 207p., rus) 39-1915
- Forest vegetation as an indicator of permafrost. Borshcheva, N.M., et al., (1983, p.176-187, rus) 39-1930
- Historical trends in vegetation zonality of the Central Siberian Plateau. Vodop'ianova, N.S., (1984, p.93-106, rus) 39-3008
- Forest-growing properties of soils beneath forest cultures. Gorbachev, V.N., (1983, p.57-64, rus) 39-3070
- Borehole blasting of deeply freezing ground and permafrost. Basiatov, M.A., et al., (1984, p.149-157, rus) 39-3400
- Locating boulder accumulations and sporadic permafrost when mining placers. Matveev, A.A., et al., (1985, p.14-18, rus) 39-3546
- Stability**
See: Slope stability; Snow cover stability
- Stabilization**
See: Soil stabilization
- Standards**
Standard sectional buildings for the North. Dukarskii, I.U.M., et al., (1984, p.22-26, rus) 39-893
See also: Design criteria
- Starters**
See: Engine starters
- Static loads**
Mechanical properties of multi-year sea ice. Testing techniques. Mellor, M., et al., (1984, 39p., eng) 39-382
- Analysis of floating ice covers with partial flooding. Kerr, A.D., (1985, p.117-123, eng) 39-2554
- Stations**
McGill Axel Heiberg Station with an inventory as of June 1983. Adams, P., (1984, 7p. + appenda, eng) 39-953
- Satellite observations of ice shelf drift. Gerdau, H., et al., (1984, p.161-175, ger) 39-1025
- AANBUS: the creation of a building system for Antarctica. Incoll, P., (1980, var. p., eng) 39-2111
- Proposal for rebuilding Australian antarctic stations. (1981, 24p. + attachments, eng) 39-2191
- Casey old station site plan, Issue No.2. Banihdy, J., (1984, 1 sheet, eng) 39-2242
- Casey site plan, Issue No.4. Banihdy, J., (1984, 1 sheet, eng) 39-2243
- Mawson site plan, Issue No.3. Banihdy, J., (1984, 1 sheet, eng) 39-2244
- Davis site plan, Issue No.4. Banihdy, J., et al., (1984, 1 sheet, eng) 39-2245
- Science program for an imaging radar receiving station in Alaska. Weller, G., et al., (1983, 45p., eng) 39-3415
- Proposal of snow tunnel construction for subsurface observation. Hannuki, T., et al., (1985, p.120-130, jpn) 39-3607
- See also: Drift stations; Weather stations
- Statistical analysis**
Probability analysis and modeling of oceanic processes. Rozhkov, V.A., ed., (1984, 164p., rus) 39-2247
- Steam curing**
See: Concrete curing
- Steel structures**
Bridge construction on icebound river. Rasskazov, I.D., et al., (1984, p.10-11, rus) 39-674
- Standard sectional buildings for the North. Dukarskii, I.U.M., et al., (1984, p.22-26, rus) 39-893
- Foundations for power line supports. Solodovnik, V.I.A., et al., (1984, p.22-25, rus) 39-1340
- API bulletin on planning, designing, and constructing fixed offshore structures in ice environments. (1982, 49p., eng) 39-1383
- API recommended practice for planning, designing, and constructing fixed offshore platforms. (1984, 115p., eng) 39-1384
- Hybrid designed for shallow Arctic operations. (1984, p.106, eng) 39-1526
- Electrically heated steel formwork for winter concreting. Minakov, I.U.A., et al., (1984, p.12-13, rus) 39-1556
- Device for heating monolith concrete. Grebnev, M., (1984, p.12, rus) 39-1561
- Bottom founded mobile offshore drilling unit in Canada's Beaufort Sea. Myers, R., et al., (1984, 16p. + figs., eng) 39-1849
- Winter observations of snow loads on metal elements of buildings. Okulov, P.D., (1984, p.8-12, rus) 39-1977
- Construction of the Ingurskaya-Stavropol'skaya 500 kV overhead power line. Giginelavili, A.L., (1985, p.17-19, rus) 39-1994
- Helicopters used in high-altitude construction of power lines. Zagnitko, V.N., et al., (1985, p.19-23, rus) 39-1995
- Thermopiles for permafrost control in Siberia. Baaz, S.L., et al., (1984, p.11-12, rus) 39-2101
- Steel structures for the Far North. Filippov, V.V., et al., (1984, p.13-14, rus) 39-2189
- Designing metallic frames for ice-navigating ships. Karavanov, S.B., (1983, p.89-93, rus) 39-2202
- Bearing strength of tubular piles in permafrost. Gararin, L.I., (1985, p.37-38, rus) 39-2228
- Fracture toughness evaluation of steels for Arctic marine use. (1984, var.p., eng) 39-2256
- Extra heavy steel plates produced by thermo-mechanical process for Arctic offshore structures and ships in icy sea areas. Tomita, Y., et al., (1985, p.381-388, eng) 39-2437
- Technological strength of welded joints at low temperatures. Sleptsov, O.I., (1984, 102p., rus) 39-2572
- Structural engineering in Arctic regions. Jumpanen, P., (1984, p.35-48, eng) 39-2688
- Steel structures for the Arctic Ocean. Itoh, K., (1985, p.219-234, eng) 39-3342
- Analyzing structures of light-weight steel trusses for frost resistance. Sil'vestrov, A.V., et al., (1985, p.116-119, rus) 39-3544
- Operation of mechanical equipment in cold regions. Polonskii, G.A., (1985, p.418-426, eng) 39-3816
- Steels**
Operation and maintenance of open-pit excavators under conditions of the North. Makhno, D.E., (1984, 133p., rus) 39-645
- Steels and welds under loadings at low temperature. Urabe, N., et al., (1984, p.473-479, eng) 39-1050
- Corrosion of carbon steel weldments in permafrost. King, R.J., (1983, n.p., eng) 39-1447
- Embrittlement of welds. Solomon, H.D., (1983, p.525-599, eng) 39-1448
- Increasing the strength of reinforced-concrete structures at plants during their reconstruction. Balitskii, V.S., et al., (1985, p.31-32, rus) 39-2860
- Selection of steel qualities for low temperature use. Charleux, J., et al., (1984, p.184-193, eng) 39-3100
- Corrosion of steel in concretes containing antifreeze sodium chloride admixtures. Rosental', N.K., et al., (1985, p.126-129, rus) 39-3545
- Stefan problem**
Comparison of Stefan model with two-phase model of coal drying. Lyczkowski, R.W., et al., (1984, p.1157-1169, eng) 39-90
- Stefan problem applicable to the thermal regime of ice structures. Aksenov, B.G., et al., (1984, p.18-20, rus) 39-323
- Duration of the freezing of bodies with variable temperature of the medium. Koval'kov, V.P., (1984, p.78-84, eng) 39-352
- Inclined drainage of earth dams in the North. Moshkova, M.A., et al., (1980, p.52-55, rus) 39-753
- Approximate solution of the Stefan problem on a segment. Gliko, A.O., et al., (1983, p.1450-1455, eng) 39-1084
- Problems of hydrodynamics with free boundaries. Monakhov, V.N., ed., (1984, 169p., rus) 39-1118
- Structure of generalized solution of a univariate Stefan problem. Kaliev, I.A., et al., (1984, p.24-47, rus) 39-1119
- Time periodic solution of a thermal diffusion Stefan Problem. Petrova, A.G., (1984, p.82-98, rus) 39-1120
- Heat and mass transfer problems. Carey, G.F., et al., (1983, p.337-346, eng) 39-1277
- Decomposition method of solving two-phase Stefan problems. Fage, D.M., (1984, p.1070-1074, rus) 39-1635
- Modeling cryogenic physical-geological processes. Grechishchev, S.E., et al., (1984, 230p., rus) 39-1907
- Numerical solution of the quasistationary axisymmetric Stefan problem. Vabishchevich, P.N., et al., (1984, p.371-376, eng) 39-2551
- Heat transfer studies for heat pipe cooling and freezing of ground. Vasil'ev, L.L., et al., (1982, p.63-71, eng) 39-2910
- Use of the enthalpy method in the solution of Stefan problems. Voller, V.R., et al., (1983, p.91-101, eng) 39-3962
- Steppes**
Studying winter state of different landscapes. Beruchashvili, N.L., et al., (1984, p.78-82, rus) 39-39
- Botanical-geographic characteristics of steppe vegetation in interior Alaska. Iurtaev, B.A., (1984, p.743-752, rus) 39-114
- Summaries of papers presented at the 5th convention of the delegates of the All-Union Botanical Society. Lavrenko, E.M., ed., (1973, 403p., rus) 39-446
- Plants growing in cold rocky soil. Gorshkova, A.A., (1973, p.122-124, rus) 39-447
- Cryophytic-steppe communities in the middle reaches of the Amguema River (the isthmus of the Chukotskiy Peninsula). Slinchenkova, E.I.U., (1984, p.1509-1519, rus) 39-2185
- Stability of forest-strip protection in Siberia and Kazakhstan. Popova, O.S., et al., (1984, 130p., rus) 39-2221
- Snow and living things. Pruitt, W.O., Jr., (1984, p.51-77, eng) 39-2266
- Structure of runoff in the forest zone of the European USSR. Koronkevich, N.I., (1984, p.128-132, rus) 39-2350
- Landscape-indication technique of surveying for land reclamation. Vinokurov, I.U.I., et al., (1984, p.41-76, rus) 39-3081
- Vegetation of Siberia (the areas east and west of Lake Baykal). Peshkova, G.A., (1985, 145p., rus) 39-3381
- Relict plant communities in western Chukotskiy Peninsula. Kozitskaia, L.T., et al., (1985, p.32-38, rus) 39-3745
- Stereophotography**
Variations of the Batura Glacier's surface from repeated surveys. Chen, J., (1984, p.196-204, eng) 39-2310
- Determining mean thickness of ground-water naleds. Markov, M.L., (1984, p.61-69, rus) 39-3347
- Measurement on variation of glacial surface by repeated terrestrial stereophotographic method. Chen, J., (1980, p.29-36, chi) 39-3698
- Stereoscopic cameras**
Oblique aerial surveying technique for geographic studies. Gel'man, R.N., et al., (1984, p.35-37, rus) 39-2188
- Stereoscopy**
Manual for Military Topography, USSR. Ministry of Defense, Moscow. Govorukhin, A.M., et al., (1980, 352p., rus) 39-1390
- Storage**
See: Cold storage; Underground storage; Water storage
- Storage tanks**
See: Tanks (containers)
- Storms**
Storm surge climatology and forecasting in Alaska. Wise, J.L., et al., (1981, 26p. + appenda, eng) 39-536
- Storm surges in the Beaufort and Chukchi Sea. Kowalik, Z., (1984, p.10,570-10,578, eng) 39-969
- Atmospheric circulation affecting the west antarctic region in summer. Trenberth, K.E., (1984, p.73-87, eng) 39-1501
- Effect of Lake Michigan on a surface synoptic low. Clark, D., (1984, p.335-345, eng) 39-2972
- Influence of marginal ice cover on storm surges. Murty, T.S., et al., (1985, p.329-336, eng) 39-3036
- See also: Ice storms; Snowstorms
- Strain tests**
New fine-grain model-ice of Wirtall Arctic Research Centre. Enkvist, E., (1984, p.247-259, eng) 39-1105
- Optimal measurement of ice-sheet deformation from surface-marker arrays. MacAyeal, D.R., (1985, p.54-59, eng) 39-3725
- Strains**
Measurement of surface deformation of the Greenland ice sheet by satellite tracking. Drew, A.R., et al., (1984, p.51-55, eng) 39-172
- Whole-field interferometric scheme for measuring strain and flow rates of glacier and other natural surfaces. Cloud, G., et al., (1983, p.492-497, eng) 39-209
- Investigation of the failure envelope of granular/discontinuous-columnar sea ice. Timco, G.W., et al., (1984, p.17-27, eng) 39-328
- Flow law for isotropic and anisotropic ice at low strain rates. Lile, R.C., (1984, 93p., eng) 39-379
- Static determination of Young's modulus in sea ice. Richter-Menge, J.A., (1984, p.283-286, eng) 39-406
- MIZEX 83 mesoscale sea ice dynamics: initial analysis. Hibler, W.D., III, et al., (1984, p.19-28, eng) 39-1126
- Relationship between bore hole closure and ice crystal structure. Thwaites, R.J., et al., (1984, p.171-179, eng) 39-1672
- Shock-wave studies of ice under uniaxial strain conditions. Larson, D.B., (1984, p.235-240, eng) 39-1681
- Procedure for testing polycrystalline ice in uniaxial tension. Lee, R.W., et al., (1984, p.246-247, eng) 39-1684
- Procedure to account for machine stiffness in uni-axial compression tests. Timco, G.W., et al., (1984, p.39-47, eng) 39-1754
- Rheology of glacier ice. Jezek, K.C., et al., (1985, p.1335-1337, eng) 39-1942
- Effects of ice loads, temperature and wind on cables. Oestreich, U.H.P., (1982, p.95-106, eng) 39-2234

Strains (cont.)

- Sea-ice indentation accounting for strain-rate variation. Ting, S.-K., et al, [1985, p.931-941, eng] 39-3232
- Ice load prediction. Vivatrat, V., et al, [1985, p.942-952, eng] 39-3233
- Hybrid structural ice defense mechanism. Nelson, J.K., et al, [1985, p.1166-1174, eng] 39-3251
- Thermal displacements, deformations and stresses in fast ice. Kulakov, M.I.U., et al, [1984, p.32-46, eng] 39-3661
- Flow law of ice in polar ice sheets. Doake, C.S.M., et al, [1985, p.255-257, eng] 39-3887
- Ice flow at the Dome C ice divide. Bolzan, J.F., [1985, p.8111-8124, eng] 39-4009
- Snow sliding and crack formation on mountain snow slopes. Akitaya, E., et al, [1984, p.49-57, jpn] 39-4034

See also: Shear strain

Stratification

- Isotope stratification in high mountain glaciers: examples from the Peruvian Andes and Himalaya. Grabczak, J., et al, [1983, p.417-424, eng] 39-203
- See also: Firm stratification; Snow stratigraphy

Stratigraphy

- Sediment characteristics of the lagoons of the Alaskan Beaufort Sea coast and evolution of Simpson Lagoon. Naidu, A.S., et al, [1984, p.275-292, eng] 39-1880
- Thermal convection in ice sheets: we look but do not see. Hughes, T., [1985, p.39-48, eng] 39-3723
- Geology and glacial stratigraphy in the upper Cook Inlet basin. Schmoll, H.R., et al, [1984, 89p., eng] 39-4000

Stream flow

- Analysis on the relationship between streamflow and precipitation in Altay mountainous region. Zhou, B., [1983, p.49-56, chj] 39-266
- Effects of snow jams on fluvial activities in the High Arctic. Woo, M., et al, [1981, p.83-98, eng] 39-658
- Hydrology of a drainage basin in the Canadian high Arctic. Woo, M., [1983, p.577-596, eng] 39-866
- Supraglacial stream dynamics on the Juneau icefield. Marston, R.A., [1983, p.597-608, eng] 39-867
- Analysis of winter heat flow in an ice-covered Arctic stream. Wankiewicz, A., [1984, p.430-443, eng] 39-875
- Surface-water quantity in the lower Kenai Peninsula, Alaska. Savard, C.S., et al, [1984, 62p., eng] 39-1054
- Aufeis effects on stream discharge and measurement in subarctic basins. Slaughter, C.W., [1984, p.3.57-3.64, eng] 39-1290
- Subglacial flow velocities in the Yenisey estuary. Graevskii, A.P., et al, [1984, p.30-50, rus] 39-2014
- Hydrological studies of the Ob' River estuary during the expedition of 1977-1979. Zhizhanov, A.V., [1984, p.51-62, rus] 39-2015
- Flow resistance of ice-covered streams. Chee, S.P., et al, [1984, p.815-823, eng] 39-2494
- Prediction of glacier derived runoff for hydro-electric development. Tangborn, W.V., [1984, p.257-265, eng] 39-2508
- Discharge of ice-choked streams during spring breakup. Sherstone, D.A., [1980, 69p., eng] 39-2702
- Effect of glaciers on streamflow variations. Fountain, A.G., et al, [1985, p.579-586, eng] 39-3278
- Flow and water quality of Alaskan streams. Parks, B., et al, [1985, 64p., eng] 39-3417
- See also: River flow

Streams

- Stream-icing zones in Alaska. Dean, K.G., [1984, 20p., + map, eng] 39-2988

Streets

- Temporary houses for workers in permafrost areas. Sobchenko, M.S., et al, [1984, p.21-23, rus] 39-675

Stress relaxation

See: Relaxation (mechanics)

Stress strain diagrams

- Creep model for constant stress and constant strain rate. Fish, A.M., [1984, p.1009-1012, eng] 39-110
- Mechanical properties of Dye 3 Greenland deep ice cores. Azuma, N., et al, [1984, p.1-8, eng] 39-163
- Compressive strength of frozen silt. Zhu, Y., et al, [1984, p.3-15, eng] 39-327
- Thermodynamic model of creep at constant stress and constant strain rate. Fish, A.M., [1984, p.143-161, eng] 39-339
- Measurement of shear strength of granular/discontinuous-columnar sea ice. Frederking, R.M.W., et al, [1984, p.215-220, eng] 39-398
- Relations between ice strain and acoustic signal velocity and attenuation. Voronina, I.I.U., et al, [1983, p.183-187, eng] 39-592
- Computer-aided pressuremeter tests. Law, K.T., [1984, p.99-103, eng] 39-817
- Ice force prediction based on strain-rate field. Bruen, F.J., et al, [1984, p.509-514, eng] 39-1052
- Crack propagation in ice. Hamza, H., [1984, p.1-17, eng] 39-1751
- Creep of simulated pressure ridge granular ice. Nadreau, J.P., et al, [1984, p.49-61, eng] 39-1755

Stress-strain condition and the assessment of slope stability in areas of complex geological structure under various temperature regimes. Ukhov, S.B., et al, [1984, p.300-305, eng] 39-2177

Creep of frozen sand under isotropic and deviatoric components of stress. Domaschuk, L., et al, [1985, p.59-64, eng] 39-2396

Numerical algorithm to predict the visco-elastic response of ice under different loading conditions. Hamza, H., [1985, p.177-185, eng] 39-2411

Grain size and the compressive strength of ice. Cole, D.M., [1985, p.220-226, eng] 39-2416

Damage mechanics model for uniaxial deformation of ice. Karr, D.G., [1985, p.227-233, eng] 39-2417

Recent observations on the deformation of ice and ice-rich permafrost. Morgenstern, N.R., [1985, p.133-153, eng] 39-2698

Endochronic constitutive modeling of frozen soil. Gopal, K.R., et al, [1985, p.584-592, eng] 39-3207

Failure modes in concrete structures due to ice load. Iding, R.H., et al, [1985, p.643-652, eng] 39-3212

Constitutive equations for ice as a damaging material. Karr, D.G., [1985, p.908-916, eng] 39-3230

Creep of frozen sand under isotropic and deviatoric components of stress. Domaschuk, L., et al, [1985, p.199-203, eng] 39-3290

Stresses

Flow law for isotropic and anisotropic ice at low strain rates. Lile, R.C., [1984, 93p., eng] 39-379

Preliminary investigation of thermal ice pressures. Cox, G.F.N., [1984, p.221-229, eng] 39-399

Analyses of stresses developed in pipelines buried in freezing ground. [1984, 59p., eng] 39-566

Tensor analysis of stresses acting on pack ice. Efimov, V.A., [1984, p.51-58, eng] 39-688

On the rheology of a broken ice field due to floe collision. Shen, H., et al, [1984, p.29-34, eng] 39-1127

Secondary stress within the structural frame of DYE-3: 1978-1983. Ueda, H., et al, [1984, 44p., eng] 39-1138

Procedure to account for machine stiffness in uni-axial compression tests. Timco, G.W., et al, [1984, p.39-47, eng] 39-1754

Flexure of a non-homogeneous floating ice sheet. Selvadurai, A.P.S., [1984, p.123-136, eng] 39-1762

Evaluation of a biaxial ice stress sensor. Cox, G.F.N., [1984, p.349-361, eng] 39-1816

In-ice calibration tests for an elongated, uniaxial brass ice stress sensor. Johnson, J.B., [1985, p.244-249, eng] 39-2420

Bending stresses in pipe due to frost heave. Bowes, W.H., [1984, p.31-33, eng] 39-3043

Three-dimensional analysis of an artificial island. Evgin, E., et al, [1985, p.617-625, eng] 39-3209

Research challenges in frozen ground pile design. Bro, A., [1985, p.1196-1205, eng] 39-3252

Instrument for recording ice loads in an offshore structure. Pukki, J., et al, [1984, p.353-360, eng] 39-3493

Creep of a strip footing on ice-rich permafrost. Sayles, F.H., [1985, p.29-51, eng] 39-3581

Glacier flow model incorporating longitudinal deviatoric stresses. Shoemaker, E.M., et al, [1984, p.334-340, eng] 39-3784

Behavior of a snow cover on mountain slope. Yoshida, Z., [1984, p.1-14, jpn] 39-4031

Stresses in snow cover on mountain slope. Yoshida, Z., [1984, p.33-47, jpn] 39-4033

Transient creep of frozen soil beams. Klein, J., [1982, p.975-981, eng] 39-4062

See also: Shear stress; Thermal stresses

Striations

See: Ice scoring

Structural analysis

Features of Wangfeng glacial moraine at the headwater of Urumqi River in Tianshan. Ma, Q., [1984, p.61-67, chj] 39-1541

New technique for determining the static fatigue limit of frozen ground. Vrachev, V.V., et al, [1984, p.306-310, eng] 39-2178

Structures

Secondary stress within the structural frame of DYE-3: 1978-1983. Ueda, H., et al, [1984, 44p., eng] 39-1138

Prevention of avalanches with arrangements of snow supporting structures on mountain slopes. Bozhinskii, A.N., [1984, p.33-51, eng] 39-1374

Mechanism of the interaction of a moving snow mass with a fixed obstacle. Shurova, I.E., [1984, p.129-152, eng] 39-1378

Determining snow avalanche load on a structure by physical modeling. Iakimov, I.U.L., et al, [1984, p.159-164, eng] 39-1380

Assessment of design snow loads. Gränzer, M., [1983, p.1-5, ger] 39-1580

Ice sheet retention structures. Perham, R.E., [1984, p.339-348, eng] 39-1781

Crushing ice forces on cylindrical structures. Morris, C.E., et al, [1984, p.1-9, eng] 39-1787

Reliability of ice-structure interaction load predictions. Bercha, F.G., et al, [1984, p.157-173, eng] 39-1801

Design of Arctic waterflood intake structures. Cox, J.C., et al, [1985, p.135-142, eng] 39-2406

Ice accretion on cylinders and wires. Makkonen, L.J., et al, [1984, 43p., eng] 39-3084

Temporal and spatial variation of snow pressure on structures. Larsen, J.O., et al, [1985, p.166-171, eng] 39-3684

See also specific types of structures

Subarctic landscapes

Studied mossy plants of the USSR and problems of their further investigation. Shliakov, R.N., [1981, p.3-9, rus] 39-56

Present state of floristic studies in the Soviet Arctic. Tolmachev, A.I., et al, [1973, p.162-164, rus] 39-448

Upper forest lines in the Subarctic as indices of ecologic parameters of the biosphere. Kriuchkov, V.V., [1984, p.13-14, rus] 39-506

Interrelationships of highland vegetation and soils of the Subarctic Kola Peninsula. Nikonov, V.V., et al, [1984, p.18-19, rus] 39-509

Subglacial caves

Notes on the Katla volcanoglacial debris flows. Jónason, J., [1982, p.61-68, eng] 39-983

Glacierkarst phenomena in Spitsbergen. Pulina, M., [1984, p.163-168, eng] 39-1733

Subglacial drainage

Sedimentary processes and buried ice phenomena in the pro-glacial areas of Spitsbergen glaciers. Hambrey, M.J., [1984, p.116-119, eng] 39-250

Traces of ancient glaciations and their division in the Quaternary at the drainage basin of Halasi River in the Altay Shan of China. Liu, C., et al, [1983, p.39-47, chj] 39-265

Water inflow into icebound lakes. Kochelaba, E.I., [1984, p.83-88, rus] 39-910

Calorimeter for indicating geothermal and volcanic activity. Björnsson, H., [1982, p.13-18, eng] 39-985

Subglacial water conduits. Hooke, R.L., [1984, p.180-187, eng] 39-1673

Winter coefficient of river drainage. Sergutin, V.E., et al, [1984, p.103-105, rus] 39-1837

Studies on the supraglacial lake located on the Shirase Glacier near the Oku-hyoga Rock. Nishio, F., et al, [1984, p.75-80, eng] 39-2750

Jökulhlaups and ice-dammed lakes, Jotunheimen, Norway. Shakesby, R.A., [1985, p.1-16, eng] 39-3586

Subglacial navigation

Submarine tanker navigation in the Arctic. Clautice, W.G., et al, [1974, p.29-37, eng] 39-980

Advanced types of ships and their seafaring qualities. Panin, I.U.I., ed, [1983, 137p., rus] 39-2200

Architectural and structural design of submarine transport vessels. Evdokimov, G.P., [1983, p.110-118, rus] 39-2205

Sound and the sea. Kliukin, I.I., [1984, 145p., rus] 39-3590

Arctic underwater operations. Rey, L., ed, [1985, 356p., eng] 39-3673

Development and operation of ROVs. Talkington, H.R., [1985, p.297-304, eng] 39-3676

Submarine navigation. Harris, M.G.T., [1985, p.311-320, eng] 39-3678

Underwater navigation and positioning systems. Vestgård, K., [1985, p.321-327, eng] 39-3679

Development of a submarine freighter. Chappuis, J., et al, [1985, p.329-351, eng] 39-3680

Subglacial observations

Theoretical, laboratory, and field study of ice-coupled waves. Squire, V.A., [1984, p.8069-8079, eng] 39-215

Wave dispersion under ice cover. Arunachalam, V.M., et al, [1984, p.211-226, eng] 39-228

Hydrobiological regime of northern lakes. Pautova, V.N., et al, [1984, p.23-30, rus] 39-322

Subglacial volcanism in north-central British Columbia and Iceland. Allen, C.C., et al, [1982, p.699-715, eng] 39-766

Scientific and engineering studies: underwater acoustics in the Arctic. [1984, var.p., eng] 39-940

Underwater Sound Laboratory's Arctic research program, 1958-1962. Wilson, D.P., et al, [1984, 37p., eng] 39-941

TRISTEN/FRAM II cruise report, East Arctic, April 1980. DiNapoli, F.R., et al, [1984, 24p., eng] 39-942

FRAM II single channel ambient noise statistics. Dwyer, R.F., [1984, 29p., eng] 39-943

Under ice ambient noise measurement. Dwyer, R.F., [1984, 15p., eng] 39-945

Evaluation of Arctic transmission loss models. Deavenport, R.L., et al, [1984, 21p., eng] 39-946

TRISTEN/FRAM IV CW spatial coherence and temporal stability. DiNapoli, F.R., et al, [1984, 22p., eng] 39-948

TRISTEN/FRAM IV Arctic ambient noise measurements. Nielsen, R.J., et al, [1984, 12p., eng] 39-949

Radio echosounding of sub-ice bedrock near the Yamato Mountains. Ohmae, H., et al, [1984, p.95-102, eng] 39-1091

Hydrologic studies in estuarine areas of Arctic rivers. Ivanov, V.V., ed, [1984, 135p., rus] 39-2012

Calculating tidal phenomena in Ob' Bay. Stanovoi, V.V., [1984, p.10-18, rus] 39-2013

- Subglacial flow velocities in the Yenisey estuary. Grosvakht, A.P., et al., (1984, p.30-50, rus) 39-2014
- Subsea equipment "Marriage" is top ROV priority. Redden, J., (1985, p.55-57, eng) 39-2511
- Under-ice noise produced by helicopters and tracked vehicles. De Heering, P., et al., (1984, p.1005-1007, eng) 39-3267
- Geophysics of subglacial geology at Dye 3, Greenland. Jezek, K.C., et al., (1985, p.105-110, eng) 39-3575
- Sound and the sea. Kliukin, I.I., (1984, 145p., rus) 39-3590
- Subgrade maintenance**
- Increasing the efficiency of repairing construction equipment. Bardyshev, O.A., (1984, p.22-24, rus) 39-131
- Subgrade preparation**
- Using soil cement under severe climatic conditions. Kishitaya, V.A., (1984, p.5-6, rus) 39-2852
- Subgrade soils**
- Laboratory tests and analysis of thermosyphons with inclined evaporator sections. Zarling, J.P., et al., (1985, p.31-37, eng) 39-2392
- Subgrades built of water-logged soils with vertical drains. Korsunskii, M.B., et al., (1984, p.4-5, rus) 39-2851
- Subgrades**
- Cost of railroad transportation of earth in freezing weather. Drukker, A.V., (1984, p.6-7, rus) 39-130
- Construction of railroads and associated buildings in permafrost areas. Smirnova, E.A., (1984, p.60-64, rus) 39-133
- Frost heaving of multigraded soils. Johansson, H.G., (1984, p.95-98, eng) 39-147
- Production of road construction material from till. Knutz, A., (1984, p.99-100, eng) 39-148
- Use of plastic fabric for pavement protection during frost break. Anderson, O., (1977, p.143-149, eng) 39-2470
- Repairing railroad subgrades affected by seasonal changes. Pavlov, A.I., (1982, p.89-94, rus) 39-2518
- Thermal regime of subgrades during their freezing and thawing. Ashpis, E.S., (1982, p.10-15, rus) 39-2519
- Subgrades built of water-logged soils with vertical drains. Korsunskii, M.B., et al., (1984, p.4-5, rus) 39-2851
- Aerial-engineering surveys for road construction. Fedorov, V.I., et al., (1984, 240p., rus) 39-3325
- See also: Foundations
- Sublimation**
- Role of sublimation processes in avalanche formation. Brukhanda, V.I., et al., (1984, p.59-73, rus) 39-636
- See: Ice sublimation; Snow evaporation
- Submarine geology**
- See: Marine geology
- Submarine permafrost**
- See: Subsea permafrost
- Submarine topography**
- See: Bottom topography; Ocean bottom
- Submarines**
- Submarine tanker navigation in the Arctic. Clautice, W.G., et al., (1974, p.29-37, eng) 39-980
- Navigation of Arctic polar submarines. Lyon, W.K., (1984, p.155-179, eng) 39-1019
- Submarine tankers proposed for Arctic LNG transport. Robb, D., (1982, p.23-25, eng) 39-1474
- Soviet ability to fire through ice creates new SLBM basing mode. Covault, C., (1984, p.16-17, eng) 39-1581
- Global and Soviet Arctic policy concerns for the year 2000. Armstrong, T., (1985, p.31-43, eng) 39-3327
- Transportation. Vance, G., (1985, p.77-82, eng) 39-3331
- Submarines in perspective. Jacobsen, L., (1985, p.215-217, eng) 39-3341
- Arctic underwater operations. Rey, L., ed., (1985, 356p., eng) 39-3673
- Submarine navigation. Harris, M.G.T., (1985, p.311-320, eng) 39-3678
- Subpermafrost ground water**
- Subsurface-drainage taliks and related water phenomena. Borisov, V.V., (1984, p.78-82, rus) 39-441
- Laboratory studies of cryometamorphism of brines. Alekseev, S.V., (1984, p.158-159, rus) 39-922
- Soils and geological conditions of the Nечernozem'e. Sergeev, E.M., ed., (1984, 608p., rus) 39-1424
- Permafrost and hydrogeological conditions of eastern Siberia. Shepelev, V.V., et al., (1984, 191p., rus) 39-1450
- Subsea permafrost**
- Cold ocean engineering bibliography. Goodwin, C.R., ed., (1984, 169p., eng) 39-395
- Geotechnical investigations in the southern Beaufort Sea—Spring 1984. Kurfurst, P.J., comp., (1984, 96p., eng) 39-479
- Creep and strength testing of frozen saline fine-grained soils. Nixon, J.F., et al., (1984, p.518-529, eng) 39-493
- Geotechnical issues affecting offshore development: an overview. Watt, B., (1984, p.17-21, eng) 39-573
- Sea and ocean level fluctuations for 15,000 years. Kaplan, P.A., ed., (1982, 230p., rus) 39-754
- Origin of "inundated shore lines" of glaciated North Atlantic shelves. Grosval'd, M.G., (1982, p.125-133, rus) 39-757
- Cryogenic processes and phenomena in Siberia. Nekrasov, I.A., ed., (1984, 164p., rus) 39-832
- Subsea cryolithozone. Zhigarev, L.A., (1984, p.3-13, rus) 39-833
- Offshore permafrost analysis. (1980, 20p. + append., eng) 39-1045
- Ice in the Beaufort Sea. Minon, R., comp., (1984, 78p., eng) 39-1226
- Pipelines in the Beaufort Sea. Timmermans, W.J., (1982, p.113-120, 125-126, eng) 39-1477
- Subsea permafrost in Harrison Bay, Alaska. Neave, K.G., et al., (1982, 62p., eng) 39-1727
- Alaskan Beaufort Sea: ecosystems and environments. Barnes, P.W., ed., (1984, 466p., eng) 39-1869
- Determining distribution patterns of ice-bonded permafrost in the U.S. Beaufort Sea from seismic data. Neave, K.G., et al., (1984, p.237-258, eng) 39-1878
- Acoustic velocities of nearshore materials in the Alaskan Beaufort and Chukchi Seas. Morack, J.L., et al., (1984, p.259-274, eng) 39-1879
- Subsea permafrost distribution on the Alaskan shelf. Sellmann, P.V., et al., (1984, p.75-82, eng) 39-2131
- Perspective on the distribution of subsea permafrost on the Canadian Beaufort Continental Shelf. Blasco, S.M., (1984, p.83-86, eng) 39-2132
- Geophysical Techniques for subsea permafrost investigations. Hunter, J.A.M., (1984, p.88-89, eng) 39-2133
- Subsea permafrost and petroleum development. Jahna, H.O., (1984, p.90-92, eng) 39-2134
- Geotechnical and engineering significance of subsea permafrost. Hayley, D.W., (1984, p.93-95, eng) 39-2135
- Cryogeothermal problems in the study of the Arctic Ocean. Neizvestnov, I.A.V., et al., (1984, p.273-277, eng) 39-2171
- Permafrost beneath the Arctic seas. Zhigarev, L.A., (1984, p.311-314, eng) 39-2179
- Acquisition and processing of high resolution reflection seismic data from permafrost affected areas of the Canadian part of the Beaufort Sea. Poley, D.F., et al., (1985, p.491-498, eng) 39-2332
- Mooring and anchoring in ice-infested waters. Owen, D.G., et al., (1985, p.424-431, eng) 39-2383
- Offshore permafrost well design lateral soil movement-induced bending strains. Laut, S.W., et al., (1985, p.47-51, eng) 39-2394
- Centrifuge modelling of underwater permafrost and sea ice. Palmer, A.C., et al., (1985, p.65-69, eng) 39-2397
- Effective deepwater drilling/production structure for the Beaufort Sea. Padron, D.V., et al., (1985, p.90-97, eng) 39-2400
- Route thaw settlement: a probabilistic evaluation. Vita, C.L., (1985, p.439-446, eng) 39-3193
- Pioneering developments in Arctic dredging. LaVieille, C.C., et al., (1985, p.517-523, eng) 39-3201
- Endochronic constitutive modeling of frozen soil. Gopal, K.R., et al., (1985, p.584-592, eng) 39-3207
- Deformation properties of warm underocean permafrost. Shields, D., et al., (1985, p.593-603, eng) 39-3208
- Effects of external loadings on large-diameter buried pipelines. Thomas, H.P., et al., (1985, p.754-762, eng) 39-3220
- Directional drilling to install Arctic marine pipelines. Peebles, E.E., (1985, p.783-791, eng) 39-3223
- Pipeline landfill construction by horizontal drilling. Hair, J.D., (1985, p.792-800, eng) 39-3224
- Engineering in the Beaufort, Chukchi and Bering Seas. Dobson, B.M., et al., (1985, p.812-819, eng) 39-3226
- Strength-deformation properties of Arctic silt. Ladd, C.C., et al., (1985, p.820-829, eng) 39-3227
- Offshore permafrost well design lateral soil movement-induced bending strains. Laut, S.W., et al., (1985, p.195-198, eng) 39-3289
- Cryosphere and cryopoles of the Earth and planets. Tolstikhin, N.I., (1985, p.13-21, rus) 39-3353
- Chemical composition of bottom deposits in coastal areas of the Kara Sea. Anisimova, N.P., et al., (1985, p.71-78, rus) 39-3358
- Ocean bottom during the ice age. Matishov, G.G., (1984, 176p., rus) 39-3951
- Substrates**
- Examination of some factors affecting the largest lichens on a substrate. Innes, J.L., (1983, p.99-106, eng) 39-2675
- Subsurface drainage**
- Investigation of areas of icing (naled) formation and subsurface water discharge under permafrost conditions using surface geophysical techniques. Bolkov, S.A., et al., (1984, p.211-216, eng) 39-2159
- Mass balance of Lambert Glacier drainage basin. McIntyre, N.F., (1985, p.34-38, eng) 39-3722
- Subsurface structures**
- Measurements of rock temperature during underground construction. Gur'ianov, L.V., et al., (1984, p.71-83, rus) 39-3302
- Proposal of snow tunnel construction for subsurface observation. Hannuki, T., et al., (1985, p.120-130, jpn) 39-3607
- Sunlight**
- "Sun spirals" on melting snow. Jahna, A., (1984, p.120-122, eng) 39-251
- Moving ripples of solar haloes. Archenhold, G.H., (1984, p.122-125, eng) 39-1315
- Sunshine**
- See: Insolation
- Supercooled clouds**
- Electrification accompanying melting of ice and snow. Selvikian, I.A.V., (1984, p.31-54, rus) 39-460
- Applying television techniques to studying ice crystal coagulation. Kim, N.S., et al., (1984, p.96-101, rus) 39-483
- Testing generators for ice-forming aerosols. Beliaev, S.P., et al., (1984, p.124-130, rus) 39-485
- Scattering of elliptically polarized waves by different cloud particles. Nazirov, Z.N., (1984, p.3-9, rus) 39-545
- Distribution of seeding zones in cloud modification. Ushintseva, V.F., (1984, p.49-56, rus) 39-547
- Model studies on ice-forming aerosol generators used to seed clouds. Beliaev, S.P., et al., (1983, p.48-53, rus) 39-588
- Numerical study on icing of continental and maritime convective clouds. Beheng, K.D., (1982, p.287-288, eng) 39-1219
- Cloud physics investigations. Cooper, W.A., et al., (1982, 135p., eng) 39-1252
- Machine classification of cloud particle types. Hunter, H.E., (1982, 114p., eng) 39-1235
- Height determination of optically thin ice clouds. Pollinger, W., et al., (1984, p.269-281, eng) 39-1320
- Attenuation of infrared radiation by ice platelets. Petrushev, A.G., (1979, p.403-407, eng) 39-1359
- Ice nucleation in winter orographic clouds. Rogers, D.C., (1982, 176p., eng) 39-2006
- Cloud nuclei in the effluents from launches of rockets. Hindman, E.E., et al., (1982, p.1323-1331, eng) 39-2216
- Role of splintering in cumulus clouds. Koenig, L.R., et al., (1984, p.1121-1141, eng) 39-2937
- All-Union conference on radar meteorology, 6th, Tallin, Apr. 20-23, 1982. Proceedings. (1984, 357p., rus) 39-3072
- Radar detection of supercooled water droplets in clouds. Koloskov, B.P., et al., (1984, p.91-94, rus) 39-3074
- Polarimetry and photometry of the antarctic sky. Egan, W.G., (1985, p.1845-1854, eng) 39-3712
- Microwave monitoring of aviation icing clouds. Gary, B.L., (1983, 22p., eng) 39-3901
- Case studies of snow clouds by means of snow crystal sondes. Irikawa, S., et al., (1984, p.101-112, jpn) 39-4039
- Observation of precipitating clouds by radar. Fujiyoshi, Y., et al., (1984, p.113-123, jpn) 39-4040
- Supercooling**
- Modeling the freezing process of slush-bearing rivers. Abramov, N.M., (1984, 100p., rus) 39-53
- Ice nucleation in supercooled water. Vonnegut, B., et al., (1984, p.486-490, eng) 39-99
- Behavior of supercooled water. Hu, C.-K., (1983, p.1321-1326, eng) 39-536
- Repeated nucleation of supercooled water sample. Wang, M.K., et al., (1984, p.23-29, eng) 39-599
- Laboratory studies of cryometamorphism of brines. Alekseev, S.V., (1984, p.158-159, rus) 39-922
- Theoretical basis for obtaining friable ice. Smorygin, G.I., (1984, 157p., rus) 39-1154
- Physical properties of supercooled heavy water. Lang, E.W., et al., (1984, p.3820-3827, eng) 39-1576
- Vapor pressures of supercooled H₂O and D₂O. Kraus, G.F., et al., (1984, p.4781-4786, eng) 39-1583
- Laboratory experiments on frazil ice growth in supercooled water. Ettema, R., et al., (1984, p.43-58, eng) 39-1621
- Dynamics of supercooled liquids and the glass transition. Bengtzelius, U., et al., (1984, p.5915-5934, eng) 39-2048
- Vapor pressure of water over supercooled liquid water. Detwiler, A., (1983, p.503-504, eng) 39-2080
- Thermodynamic properties of water in the supercooled region. Leyendekkers, J.V., et al., (1985, p.1440-1453, eng) 39-2509
- Thermodynamic analysis of heat pipe operation. Vasil'ev, L.L., et al., (1982, p.313-325, eng) 39-2911
- Adsorption modification method of increasing ice formation temperature. Nechaev, E.A., et al., (1985, p.99-107, rus) 39-3360
- Superstructures**
- Superstructure icing. Jeck, R.K., (1984, 16p., eng) 39-2921
- Supplies**
- See: Logistics
- Supports**
- Ice platform artificially built on sea ice cover. Latalin, D.A., et al., (1984, p.48-52, rus) 39-417
- Stresses in artificially frozen zones of mine shafts. Kazikaev, D.M., et al., (1984, p.11-13, rus) 39-824
- Single-pile foundations for industrial objects. Nakonechny, N.I., et al., (1984, p.23-25, rus) 39-1033

Supports (cont.)

- Thermal drilling of boreholes for pile supports in frozen ground. Sherstuk, B.F., et al. (1984, p.31-34, rus) 39-1034
- Materials and design of technical equipment for the North. Urzhumtsev, I.U.S., ed. (1984, 85p., rus) 39-1112
- Adfreezing of plastic plate supports to snow. Igoshin, V.A., et al. (1984, p.54-58, rus) 39-1114
- Bridge construction on permafrost. Blinkov, L.S., (1984, p.11-12, rus) 39-1255
- Improving the efficiency of mining in the north. Izakson, V.I.U., ed. (1983, 85p., rus) 39-1885
- Dynamic loads on supports under permafrost conditions. Vikulov, M.A., (1983, p.21-26, rus) 39-1888
- Technico-economical model for determining the applicability of mechanized supports at the placer mines of the Northeast. Sleptsov, A.E., et al. (1983, p.26-33, rus) 39-1889
- Structures for gas transportation to northern mines. Zinevich, A.M., et al. (1985, p.14-15, rus) 39-2224
- See also: Pipeline supports; Power line supports
- Suprapermafrost ground water**
- Changes in permafrost induced by construction. Akparisova, G.V., (1984, p.16-26, rus) 39-410
- Ground water regime of drained swamps in the eastern Lake Baykal area. Adushinov, A.A., et al. (1983, p.125-130, rus) 39-469
- Seasonal frost mounds, North Fork Pass, northern Yukon Territory. Pollard, W.H., (1983, p.11-23, eng) 39-1020
- Soils and geological conditions of the Nечерномез'e. Sergeev, E.M., ed. (1984, 608p., rus) 39-1424
- Permafrost and hydrogeological conditions of eastern Siberia. Shepelev, V.V., et al. (1984, 191p., rus) 39-1450
- Changes in engineering and geocryological conditions during construction (exemplified by the town of Chita). Shavrin, L.A., (1985, p.34-37, rus) 39-3615
- Surface drainage**
- Calculating soil moisture for roadbed construction. Aleksikov, S.V., et al. (1984, p.105-109, rus) 39-594
- Calculating glacier runoff from the southeastern Pamirs. Anbulat, A.A., et al. (1984, p.104-111, rus) 39-641
- Jakobshavn Glacier drainage basin: a balance assessment. Bindschadler, R.A., (1984, p.2066-2072, eng) 39-678
- Surface effect vehicles**
- See: Air cushion vehicles
- Surface energy**
- Cubic ice, snowflakes and rare-gas solids. Kieft, H., et al. (1984, p.1419-1420, eng) 39-653
- Thermodynamic equilibrium of a crystalline sphere in a fluid. Mullins, W.W., (1984, p.1436-1442, eng) 39-654
- Near surface temperature regime of the Antarctic. Carroll, J.J., (1984, p.4941-4952, eng) 39-762
- Arctic ocean ice and climate: perspectives on a century of polar research. Barry, R.G., (1983, p.485-501, eng) 39-860
- Surface properties**
- Measurement of surface deformation of the Greenland ice sheet by satellite tracking. Drew, A.R., et al. (1984, p.51-55, eng) 39-172
- Thermodynamic equilibrium of a crystalline sphere in a fluid. Mullins, W.W., (1984, p.1436-1442, eng) 39-654
- Heat fluxes, humidity profiles, and surface humidity. Andreas, E.L., (1982, 18p., eng) 39-1265
- Surface treatment of highways. Angst, C., (1984, p.109-113, ger) 39-1569
- Monte Carlo calculations of iceberg draft changes caused by roll. Lewis, J.C., et al. (1984, p.1-10, eng) 39-1617
- Snow cover on mountain slope. Yoshida, Z., (1984, p.15-31, jpn) 39-4032
- Stresses in snow cover on mountain slope. Yoshida, Z., (1984, p.33-47, jpn) 39-4033
- See also: Glacier surfaces; Ice surface; Microrelief; Snow surface
- Surface roughness**
- Some characteristics of the friction layer near rough surfaces in the sea. Doronin, I.U.P., et al. (1984, p.177-180, eng) 39-702
- Field study of rough shore-fast sea ice. Hanley, T.O., (1984, p.230-234, eng) 39-1680
- Analysis of river ice resistance from measured velocity profiles. Davar, K.S., et al. (1984, p.349-358, eng) 39-1782
- Flow resistance of ice-covered streams. Chee, S.P., et al. (1984, p.815-823, eng) 39-2494
- Heat transfer and icing of a rough cylinder. Makkonen, L., (1985, p.105-116, eng) 39-2553
- Snowpack ground truth measurements: 2. Snow surface characterization. Gimmetstad, G.G., et al. (1984, p.139-151, eng) 39-2957
- Glacier sliding at subfreezing temperatures. Shreve, R.L., (1984, p.341-347, eng) 39-3785
- Surface temperature**
- Heat transfer between pipelines and permafrost. Gokhman, M.R., (1984, p.243-247, eng) 39-152
- Geothermal effects of 18 ka BP ice conditions in the Swiss plateau. Haeblerli, W., et al. (1984, p.56-60, eng) 39-173
- Near-surface temperatures of glaciers. Hooke, R.L., et al. (1983, p.1-25, eng) 39-1630
- Heat content in the surface layers of the Northern Hemisphere oceans. Laevastu, T., (1984, p.107-123, eng) 39-2052
- Determination of underlying surface radiative temperature in the northern Bering Sea. Vinogradov, V.V., et al. (1982, p.267-277, eng) 39-2746
- Dependence of antarctic accumulation rates on surface temperature and elevation. Muszynski, L., et al. (1985, p.204-208, eng) 39-3085
- Surface waters**
- Surface-water quantity in the lower Kenai Peninsula, Alaska. Savard, C.S., et al. (1984, 62p., eng) 39-1054
- Combined geographic investigation methods of Siberia. Plastinin, L.A., et al. (1980, p.14-16, rus) 39-1329
- Simulation of surface water transport. Guymon, G.L., (1972, 105p., eng) 39-236
- Surfactants**
- Electron microscopy and molecular theory of microstructured fluids. Falls, A.H., (1982, 356p., eng) 39-1405
- High-strength perlite-silicate concretes with plasticizing admixtures. Paturov, V.V., et al. (1984, p.66-68, rus) 39-1981
- Chemical admixtures for concretes. Gladkov, V.S., (1985, p.18-19, rus) 39-2077
- Freeze-thaw effect on hydrophobic components in micelles. Kano, K., et al. (1984, p.5087-5092, eng) 39-2713
- Surging glaciers**
- See: Glacier surges
- Surveys**
- Glaciation of South America. Glebova, L.N., et al. (1984, p.29-43, rus) 39-2766
- See also: Aerial surveys; Geodetic surveys; Geological surveys; Geophysical surveys; Glacier surveys; Ice surveys; Infrared reconnaissance; Oceanographic surveys; Photogrammetric surveys; Photographic reconnaissance; Route surveys; Seismic surveys; Site surveys; Snow surveys; Soil surveys; Topographic surveys
- Survival**
- See: Cold weather survival
- Suspended pipelines**
- Wind-induced vibration of aboveground Arctic pipelines. Hanegger, D.G., et al. (1985, p.646-652, eng) 39-2386
- Review of pipeline construction in western Siberia. Kuramin, V.P., et al. (1985, 50p., rus) 39-3101
- Fatigue damage of suspended oil pipelines due to wind in the Arctic. Hanegger, D.G., et al. (1985, p.49-53, eng) 39-4049
- Suspended sediments**
- Dewatering aqueous suspensions by freeze-thaw technique. Baskerville, R.C., (1971, p.141-144, eng) 39-278
- Suspended sediments in a proglacial stream. Gurnell, A.M., et al. (1984, p.93-106, eng) 39-608
- Rate of sediment settling from glacial mudflows. Timorshin, N.M., (1984, p.118-122, rus) 39-2254
- Three-layer models of mudflow movement. Tevazde, V.I., et al. (1984, p.29-32, rus) 39-2282
- Sediment load of the Hunza River. Ferguson, R.L., (1984, p.581-598, eng) 39-2323
- Stratified nature of deposits in streamlined glacial landforms on southern Victoria Island, District of Franklin. Sharpe, D.R., (1985, p.365-371, eng) 39-2331
- Prediction of glacier derived runoff for hydro-electric development. Tangborn, W.V., (1984, p.257-265, eng) 39-2508
- Sediment discharge in the Susitna River basin, Alaska, 1982-1984. Knott, J.M., et al. (1985, 68p., eng) 39-3056
- Estimating the amount of shore deposits removed by ice rafting. Archikov, E.I., et al. (1984, p.74-75, rus) 39-3061
- Landsat data for sediment dispersal in the Beaufort Sea. Perrotti, T., et al. (1984, p.283-291, eng) 39-3444
- Suspended sediments in Cook Inlet and Shelikof Strait, Alaska. Feely, R.A., et al. (1982, 28p., eng) 39-3955
- Swamps**
- Cryogenesis and the formation of soil. Khudiakov, O.I., (1984, 196p., rus) 39-28
- Mosses in Yamal tundra. Andreeva, E.N., (1981, p.18-19, rus) 39-58
- Degradation of lichens and mosses in air-pollution areas. Kriuchkov, V.V., (1981, p.92-94, rus) 39-75
- Using space imagery in compiling landscape maps. Riabchikova, V.I., (1984, p.39-45, rus) 39-159
- Summaries of papers presented at the 5th convention of the delegates of the All-Union Botanical Society. Lavrenko, E.M., ed. (1973, 403p., rus) 39-446
- Arctic mosses of the USSR. Abramov, I.I., et al. (1973, p.174-176, rus) 39-449
- Hydrogeological studies of eastern USSR and some Asiatic countries. Pinneker, E.V., ed. (1983, 174p., rus) 39-466
- Ground water regime of drained swamps in the eastern Lake Baykal area. Adushinov, A.A., et al. (1983, p.125-130, rus) 39-469
- Position of western Altai in the system of highland belts. Ogureeva, G.N., et al. (1984, p.21-22, rus) 39-510
- Woody plants of the polar Ural Mountains. Semenov, B.A., et al. (1984, p.30-31, rus) 39-512
- Stabilization of roadbeds in swamps. Derbas, V.A., et al. (1984, p.6-7, rus) 39-673
- Sustained strength of peat at subzero temperatures. Lishivan, I.I., et al. (1984, p.13-16, rus) 39-801
- Frozen peat bogs in northern West Siberia and their botanical structure. Streletskaia, I.D., et al. (1984, p.31-39, rus) 39-836
- Permafrost temperature in swampy landscapes of western Yakutia. Konstantinov, P.I.A., (1984, p.91-95, rus) 39-845
- Pipeline construction in cold, swampy regions. Tikhonov, A.I., et al. (1984, 81p., rus) 39-938
- Construction of drainage systems in bogs. Labendik, V.I., et al. (1984, p.57-58, rus) 39-1173
- Structure, functional organization and dynamics of swamp ecosystems in Karelia. Elina, G.A., et al. (1984, 128p., rus) 39-1175
- Investigation of peat bog by radar. Bjelm, L., et al. (1982, 132p., swe) 39-1230
- Land reclamation problems in the Magadan area. Talyzin, I.U.I., (1984, p.31-33, rus) 39-1301
- Microbiology of the active layer of swamps. Ivanov, K.E., et al. (1984, p.101-102, rus) 39-1305
- Studying paludal areas from aerial photographs. Kirushkin, V.N., et al. (1980, p.38-39, rus) 39-1334
- Equipment for building broad-base built-in-situ piles in water saturated ground. Kharchenko, V.V., et al. (1984, p.11-12, rus) 39-1346
- Equipment designed for land reclamation. Meshkov, V.M., (1984, p.24-27, rus) 39-1347
- Exchange processes in biogeocenoses. Reports presented at the second annual meeting commemorating academicians V.N. Sukachev, Moscow, Oct. 19, 1983. Giliarov, M.S., ed. (1984, 85p., rus) 39-1394
- Flows of material and energy in swamp biogeocenoses. Pivachenko, N.I., (1984, p.5-32, rus) 39-1395
- Bioindication of natural environment in the Far North. Kriuchkov, V.V., (1984, p.106-108, rus) 39-1431
- Environmental impact of economic development of swamps. Khoroshev, P.I., et al. (1984, p.206-207, rus) 39-1434
- Continental taiga of eastern Alaska. Report No.1. Iurtev, B.A., (1984, p.117-127, rus) 39-1546
- Revegetation of eroded soils in western Siberia. Moskalenko, N.G., (1984, p.147-154, eng) 39-1655
- Drying peat on a frozen surface. Balabolin, V.G., (1984, p.15-16, rus) 39-1835
- Military operations in northern regions according to non-Soviet military publications. Sergeev, A., (1984, p.80-82, rus) 39-1838
- Contrasts and the dynamics of the natural-territorial structure of the southern part of the Bureinskiy Range. Golubchikov, I.U.N., (1977, p.8-18, rus) 39-1898
- Hydrothermal structure of landscapes in the Kingan-Bureya lowland. Kolomyts, E.G., (1977, p.19-76, rus) 39-1899
- Photogenic hydrothermal contrasts in landscapes of the Kingan-Bureya lowlands. Kolomyts, E.G., et al. (1977, p.77-121, rus) 39-1900
- Cryogenic phenomena in landscape types of Kamchatka Peninsula. Bykasov, V.E., (1977, p.196-202, rus) 39-1906
- Environments of the Earth as seen from space. Kozlov, N.P., ed. (1984, 151p., rus) 39-2037
- Lowering ground water levels in northern swamps. Smorodinov, M.I., (1984, 117p., rus) 39-2068
- Hydrogeological conditions of the non-thermozone zone of the R.S.F.S.R. Kulikov, G.V., (1983, 338p., rus) 39-2070
- Efficient control of embankment thickness in construction on swamps. Aromko, V.N., (1984, p.4-5, rus) 39-2107
- Blasting technique for building embankments in swamps. Smirnov, A.G., et al. (1984, p.12-13, rus) 39-2108
- Mobile-crew flow-type method of building the transcontinental pipeline Urengoy-Pomary-Uzhgorod. Sudobin, G.N., et al. (1985, p.12-13, rus) 39-2223
- Combined mechanization schemes for construction of industrial pipelines. (1985, p.23-26, rus) 39-2226
- Deflation measurements of Hietatievat, Finnish Lapland, 1974-77. Seppälä, M., (1984, p.39-49, eng) 39-2265
- Geochemistry of soils and environmental protection. Saprykin, F.I.A., (1984, 231p., rus) 39-2485
- Vegetation of western Siberia and its mapping. Belov, A.V., ed. (1984, 120p., rus) 39-2573
- Dark conifer forests of the West Siberian Plain. Ilina, I.S., (1984, p.19-50, rus) 39-2576
- Phytocenoses of northern bogs. Kustova, N.V., (1984, p.76-106, rus) 39-2578
- Models simulating raised bogs. Svirzhev, I.U.M., et al. (1984, p.6-11, rus) 39-2581
- Studying ecosystems of pool-and-ridge bogs. Ivanov, K.E., (1984, p.30-35, rus) 39-2583

- Mathematical modeling in calculations of hydrothermal regimes of hummocky bogs. Moekvin, I.U.P., et al. (1984, p.78-83, rus) 39-2587
- Modeling water regime of raised bogs. Rusetskaya, I.U.I.U., (1984, p.90-95, rus) 39-2588
- Earth dams on peat foundations. Shamahin, B.G., (1985, p.51-52, rus) 39-2731
- Earthwork equipment used at different soil freezing depths. Mezhkov, V.M., (1985, p.5-7, rus) 39-2733
- Ice-made pans and pools in the salt marsh of Isle-Verte, St.-Lawrence Estuary, Quebec. Gauthier, B., et al. (1983, p.49-66, fre) 39-2822
- Subdividing the BAM zone vegetation according to geobotanical maps. Kobleva, N.V., et al. (1985, p.120-125, rus) 39-3015
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- Morpholithosystems and landscape structure (exemplified by the Omolon River basin). Egorova, G.N., (1983, 164p., rus) 39-3092
- Ways of formation of hummock-and-hollow microrelief in swamps. Pivachenko, N.I., (1985, p.77-80, rus) 39-3108
- Bridges on rivers crossing northern swamps. Bialik, B.F., et al. (1985, p.14-17, rus) 39-3117
- Construction of ports. Goncharov, V.V., (1985, p.23-24, rus) 39-3120
- N(15) variations in peat bogs and climatic changes in the past. Schieser, G.H., (1983, p.124-128, eng) 39-3147
- Calculating drainage parameters for seasonally freezing peat. Glushkova, N.I., (1985, p.44-46, rus) 39-3258
- Forest winter roads. Gladkodorov, P.I., et al. (1985, p.30-31, rus) 39-3311
- Breaking rocks by explosions. Kutuzov, B.N., ed. (1984, 248p., rus) 39-3393
- Blasting seasonally frozen clayey soils. Frash, G.B., (1984, p.144-148, rus) 39-3399
- Construction of overhead power lines on surface foundations on permafrost. Pylae, E.L., et al. (1985, p.64-65, rus) 39-3403
- Geochemical landscapes of the Karelia-Kola Peninsula region. Stukkel, G.A., (1985, p.14-21, rus) 39-3540
- Mass loss in a forested bog: relation to hummock and hollow microrelief. Farriah, K.W., et al. (1985, p.375-378, eng) 39-3585
- Peat bogs, their natural and economic significance. Pivachenko, N.I., (1985, 152p., rus) 39-3592
- Ways of controlling the fertility of developed peat soils in northern Europe. Sin'kevich, E.I., (1985, 267p., rus) 39-3593
- Construction in paludal loess areas. Gospodinov, D.G., et al. (1985, p.54-60, rus) 39-3619
- Rare bog plants in the northwestern RSFSR and the organization of their protection. Boch, M.S., (1985, p.688-697, rus) 39-3728
- Trafficability of peat soils for tractors. Kochedykov, A.K., (1984, p.4-7, rus) 39-3740
- Walking vehicle designed for swamps. Petrov, A.A., et al. (1984, p.7-10, rus) 39-3741
- Strength of drained peat deposits. Surovov, V.I., (1984, p.18-20, rus) 39-3742
- Length of peat mining season in cold regions. Petrovskii, E.E., et al. (1984, p.5-9, rus) 39-3767
- Lump-peat production in the Ural Mountains. Zhuravlev, A.V., et al. (1985, p.10-13, rus) 39-3769
- Hydrology of mountain peat bogs. Puna and Cordillera, Argentina. Igarzabal, A.P., (1984, p.106-115, spa) 39-3945
- Special means of transportation for construction materials and objects. Lobanov, V.N., (1985, p.26-27, rus) 39-3993
- Developing construction methods for industrial pipelines. Vasil'ev, N.P., (1985, p.37-38, rus) 39-3995
- Year-round pipeline construction in northern swamps. Besarab, V.V., et al. (1985, p.40, rus) 39-3996
- Aerial-landscape method of studying exogenic processes. Sadov, A.V., (1978, 151p., rus) 39-4005
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- Correction of precipitation data by snow measurements. Martinec, J., (1985, p.77-86, ger) 39-2996
- Peculiarities of snow precipitation. Föhn, P.M.B., (1985, p.87-96, ger) 39-2997
- Precipitation determination in glacierized mountains. Aellen, M., (1985, p.97-105, ger) 39-2998
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- Snow and avalanches in the Swiss Alps, winter 1982/83. (1984, 132p., ger) 39-1349
- Snow and avalanche conditions in the Swiss Alps. Meister, R., et al. (1984, p.40-94, ger) 39-1351
- Accidents and damage due to avalanches in the Swiss Alps. Föhn, P., et al. (1984, p.95-127, ger) 39-1352
- Snow accumulation, firm temperature and solar radiation, Swiss Alps. Alean, J., et al. (1983, p.131-147, eng) 39-1964
- Davos**
- Snow and avalanches in the Davos region. Föhn, P., et al. (1984, p.28-39, ger) 39-1350
- Influence of snow cover recession on an alpine ecological system. Keller, M., et al. (1985, p.1931-1936, eng) 39-3713
- Tsidiore Nouve**
- Suspended sediments in a proglacial stream. Gurnell, A.M., et al. (1984, p.93-106, eng) 39-608
- Deposition on moraine embankments, Glacier de Tsidiore Nouve, Switzerland. Small, R.J., et al. (1984, p.275-281, eng) 39-3775
- Symposia**
- See: Meetings
- Synoptic meteorology**
- Recent climatic changes in the Caucasus. Surova, N.A., (1984, p.83-98, rus) 39-298
- Atmospheric circulation and glacier mass balance. Yarnal, B., (1984, p.188-198, eng) 39-1674
- Site-specific and synoptic meteorology. Bates, R.E., (1983, p.13-80, eng) 39-1952
- Synoptic consideration of snowfall in Athens. Prezerakos, N.G., et al. (1984, p.269-285, eng) 39-1999
- Synoptic ice dynamics and atmospheric circulation during the Bering Sea Experiment. Campbell, W.J., et al. (1982, p.158-179, eng) 39-2740
- Effect of Lake Michigan on a surface synoptic low. Clark, D., (1984, p.335-345, eng) 39-2972
- Interrelationship of seasonal pressure variations in high latitudes of the northern and southern hemispheres. Lutsenko, E.I., (1984, p.96-102, eng) 39-3665
- Systems analysis**
- Symposium on the use of mathematical modeling in ecological investigations of forests and swamps, Aug. 21-23, 1984. Summaries. (1984, 136p., rus) 39-2580
- Systems approach and mathematical modeling of forest ecosystems. Atroschenko, O.A., (1984, p.18-22, rus) 39-2582
- Morpholithosystems and landscape structure (exemplified by the Omolon River basin). Egorova, G.N., (1983, 164p., rus) 39-3092**
- Taiga**
- Cryogenesis and the formation of soil. Khudiakov, O.I., (1984, 196p., rus) 39-28
- Soils of the islands and maritime regions of the Pacific Ocean: Proceedings of the 14th Scientific Congress on the Pacific Ocean, Khabarovsk, August, 1979. Ivlev, A.M., ed. (1982, 174p., rus) 39-29
- Pedologic and geographic regionalization of the Far North-East. Ignatenko, N.V., et al. (1982, p.44-96, rus) 39-30
- Microbiology of soils disturbed by coal mining.**
- Andronova, M.F., (1984, p.82-86, rus) 39-40
- Mosses in the mountain taiga of southern Siberia. Gudoshnikov, S.V., (1981, p.37-39, rus) 39-62
- Method of establishing requirements for reforestation work in operational taiga-zone forests. Poiurovskaya, R.I., et al. (1984, p.121-122, rus) 39-136
- Using conifer seedlings in taiga revegetation. Kharrin, O.A., et al. (1984, p.56-58, rus) 39-349
- Geochemical surveys in taiga. Lomonosov, I.S., et al. (1983, p.50-61, rus) 39-467
- Restoration of vegetational cover of forest communities in the northern Kola Peninsula. Kuz'mina, L.I., (1984, p.15, rus) 39-507
- Peculiarities of segetal vegetation in Central Yakutia. Steptsova, N.P., (1984, p.1070-1073, rus) 39-670
- Ultracontinental taiga soil formation on calcareous loams in Central Yakutia. Sokolov, I.A., et al. (1976, p.144-160, eng) 39-706
- Evolution of taiga soils. Aref'eva, Z.N., (1977, p.33-44, rus) 39-883
- Microflora of taiga podzols. Vishniakova, Z.V., et al. (1983, p.46-56, rus) 39-958
- Microflora and biologic activity in the litter of pine forests of the Angara River area. Bugakova, T.M., et al. (1983, p.101-115, rus) 39-960
- Oil spills: damage and recovery in tundra and taiga. Linkins, A.E., et al. (1984, p.135-155, eng) 39-1180
- Soil formation in southern taiga. Dvornikova, L.L., (1984, p.73-79, rus) 39-1304
- Investigations of the forestry research station of the Academy of Sciences of the USSR. Vomperskii, S.E., ed. (1984, 173p., rus) 39-1412
- Studies of northern taiga forests at the Omega research station. Rysin, L.P., (1984, p.10-24, rus) 39-1413
- Studying taiga vegetation in the Severnaya research station. Orlov, A.I.A., (1984, p.36-57, rus) 39-1414
- Radiation balance of cut-out areas in taiga. Kubrak, N.I., (1984, p.108-110, rus) 39-1432
- Environmental impact of lumbering in taiga. Chertovskoi, V.G., (1984, p.217-219, rus) 39-1435
- Pine forests of northern Europe. Ziabchenko, S.S., (1984, 247p., rus) 39-1443
- All-Union Conference on aerial and space methods of studying forests, Krasnoyarsk, July 7-9, 1984. Summaries of reports. (1984, 186p., rus) 39-1480
- Satellite technique of mapping mountain taiga. Abalakov, A.D., (1984, p.41-42, rus) 39-1486
- Mapping taiga soils from satellite photographs. Korsunov, V.M., et al. (1984, p.47-49, rus) 39-1488
- Geobotanical mapping of taiga. Vasil'chuk, A.I., (1984, p.56-58, rus) 39-1490
- Compiling geobotanical map of northern taiga. Painskaia-Gvozdeva, I.I., (1984, p.59-60, rus) 39-1491
- Hydrologic differentiation of taiga landscapes. Lebedev, A.V., (1984, p.80-82, rus) 39-1493
- Continental taiga of eastern Alaska. Report No.1. Iurisev, B.A., (1984, p.117-127, rus) 39-1546
- Origin of northern spruce forests. Anishin, P.A., (1984, p.10-18, rus) 39-1547
- Pile foundations in paludal taiga. Pylae, E.L., et al. (1984, p.57-58, rus) 39-1641
- Revegetation of eroded soils in western Siberia. Moskalenko, N.G., (1984, p.147-154, rus) 39-1655
- Local contrasts in geosystems. Kapitov, A.P., ed. (1977, 206p., rus) 39-1697
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- Photogenic hydrothermal contrasts in landscapes of the Kingan-Bureya lowlands. Kolomyts, E.G., et al. (1977, p.77-121, rus) 39-1700
- Slope processes in the continental part of the Far East. Korotkii, A.M., et al. (1977, p.122-133, rus) 39-1901
- Factors influencing snow cover of Sikhote-Alin'. Roman, A.P., (1977, p.171-181, rus) 39-1904
- Combined satellite surveys of Siberia. Anshin, A.L., ed. (1984, 96p., rus) 39-1972
- Satellite surveys of different climatic zones. Ziat'kova, L.K., (1984, p.71-79, rus) 39-1973
- Denitrification in soils of western Siberia. Gantimurova, N.I., (1984, 117p., rus) 39-2033
- Environments of the Earth as seen from space. Kozlov, N.P., ed. (1984, 151p., rus) 39-2037
- Studying taiga soil and vegetation on aerial and satellite photographs. Gorozhankina, S.M., et al. (1984, p.42-52, rus) 39-2056
- Lowering ground water levels in northern swamps. Smorodinov, M.I., (1984, 117p., rus) 39-2068
- Blasting techniques used in construction on water-saturated ground. Smirnov, A.G., et al. (1984, 216p., rus) 39-2069
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- Peculiarities of exploration and gas field development in western Siberia. Andreev, O.F., et al. (1984, 211p., rus) 39-2071
- Migration of elements in water in taiga-permafrost landscapes. Makarov, V.N., (1984, p.253-258, eng) 39-2167
- Thermal regime of thermokarst lakes in central Yakutia. Pavlov, A.V., et al. (1984, p.282-285, eng) 39-2173
- Life-forms of forest phytocenoses. Krylov, A.G., (1984, 184p., rus) 39-2199
- Modular construction on northern oil fields. Biechikov, A.I., et al. (1985, p.5-6, rus) 39-2222
- Lichen woodland in northern Canada. Rowe, J.S., (1984, p.225-237, eng) 39-2267
- Economic development of taiga. (1984, 184p., rus) 39-2341
- Water supply in the taiga zone of Siberia. Pinneker, E.V., et al. (1984, p.52-63, rus) 39-2344
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- Industrial activities and water content of taiga rivers in the European USSR and Siberia. Krestovskii, O.I., (1984, p.79-94, rus) 39-2346
- Influence of land reclamation and river diversion on water reserves. Malik, L.K., (1984, p.95-108, rus) 39-2347

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- Runoff in the forest zone of the West Siberian Plain. Burakov, D.A., et al. (1984, p.109-119, rus) 39-2348
- Evaporation from forests and swamps in western Siberia. Raumer, I.U.L., et al. (1984, p.120-127, rus) 39-2349
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- Role of Siberian water in hydroeconomics of the USSR. Druzhinin, I.P., et al. (1984, p.165-176, rus) 39-2353
- Longevity of pine under northern conditions. Nevolin, O.A., (1985, p.18-22, rus) 39-2456
- Forest biomass of the Putorana Plateau. Deeva, N.M., (1985, p.54-58, rus) 39-2457
- Spatial interrelations of forest and mire in the taiga zone of the West Siberian Plain. Glebov, F.Z., et al. (1984, p.1634-1640, rus) 39-2459
- Geochemistry of soils and environmental protection. Saprykin, F.I.A., (1984, 231p., rus) 39-2485
- Vegetation of western Siberia and its mapping. Belov, A.V., ed. (1984, 120p., rus) 39-2573
- Geobotanical and cartographic studies in western Siberia. Belov, A.V., et al. (1984, p.3-6, rus) 39-2574
- Dark conifer forests of the West Siberian Plain. Il'ina, I.S., (1984, p.19-50, rus) 39-2576
- Phytocenoses of northern bogs. Kustova, N.V., (1984, p.76-106, rus) 39-2578
- Geobotanical analysis of taiga for large-scale mapping. Kobeleva, N.V., (1984, p.106-119, rus) 39-2579
- Symposium on the use of mathematical modeling in ecological investigations of forests and swamps, Aug. 21-23, 1984. Summaries. (1984, 136p., rus) 39-2580
- Qualitative model of long-range dynamics of paludated forests. Glebov, F.Z., et al. (1984, p.73-77, rus) 39-2586
- Modeling water regime of peat soils in drained forests. Shits, I.U.E., (1984, p.116-120, rus) 39-2590
- All-Union conference on adaptation of organisms to the Arctic environment, Tallin, Nov. 27-30, 1984. Proceedings. (1984, 212p., rus) 39-2639
- Photosynthetic productivity and carbohydrate accumulation of grasses in tundra agroecosystems. Shvetsova, V.M., et al. (1984, p.197-201, rus) 39-2664
- Photosynthesis of Arctic herbaceous plants. Kialiuk, I.M., et al. (1985, p.169-179, rus) 39-2984
- Alpine mossy larch forest of the Zeya State Reserve on the Tukuringa Range. Kuvsev, V.B., et al. (1985, p.221-231, rus) 39-2986
- Zonality in the forest flora of Central Khangay (Mongolia). Savina, L.N., (1984, p.82-93, rus) 39-3007
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- Individual design method for small river hydrographs in eastern Siberia. Pitenkov, A.V., (1985, p.125-133, rus) 39-3016
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- Forest soils of the Lena-Amga interfluve. Desiatkin, R.V., (1984, p.14-20, rus) 39-3021
- Cycle of chemical elements in taiga landscapes of southern Yakutia. Kononovskii, A.K., et al. (1984, p.49-60, rus) 39-3024
- Water regime of burned-out areas in northern taiga. Tarabukina, V.G., et al. (1984, p.72-75, rus) 39-3027
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- Natural restoration beneath the canopy of southern taiga. Babintseva, R.M., et al. (1983, p.5-13, rus) 39-3067
- Estimation of artificial reforestation quality in the Bol'shemurinskii Forestry. Vital'ev, A.P., et al. (1983, p.31-40, rus) 39-3068
- Changes in vegetational cover of mixed-grass pine forests due to human activities. Krivchikova, L.D., (1983, p.49-57, rus) 39-3069
- Forest-growing properties of soils beneath forest cultures. Gorbachev, V.N., (1983, p.57-64, rus) 39-3070
- Changes in chemical and biologic properties of soils beneath forest cultures. Popova, E.P., et al. (1983, p.64-73, rus) 39-3071
- Landscape of western Siberia: mapping, evaluation, forecasts of development. Bulatov, V.I., ed. (1984, 115p., rus) 39-3078
- Surveys, regionalization and mapping of permafrost areas. Bulatov, V.I., (1984, p.77-97, rus) 39-3082
- Inflow of heavy-metal aerosols into southern taiga landscapes of the central Ural mountains. Mel'chakov, I.U.L., (1985, p.80-82, rus) 39-3109
- Chemistry of taiga soils in clear-cut areas. Koshelev, S.P., et al. (1985, p.10-15, rus) 39-3295
- Water regime of taiga soils in clearings and burned-out areas. Bogatyrev, I.U.G., et al. (1985, p.16-25, rus) 39-3296
- Variability of common pine in the Angara River area. Kuz'mina, N.A., (1985, p.40-46, rus) 39-3297
- Physiological and biochemical basis of the growth and adaptation of pine in the North. Novitskaya, I.U.F., et al. (1985, 155p., rus) 39-3343
- Dynamics of forest ecosystems in the Subarctic. Plotnikov, V.V., (1984, 128p., rus) 39-3344
- Vegetation of Siberia (the areas east and west of Lake Baykal). Peshkova, G.A., (1985, 145p., rus) 39-3381
- Water resources of the Chita region. Chechel', A.P., (1985, 97p., rus) 39-3510
- Forest fire effect on taiga soil. Bondar', P.A., (1985, p.111-116, rus) 39-3599
- Grass cenoses in recultivated forests of southern Kuzbass ecosystems. Logus, M.T., (1985, p.93-100, rus) 39-3632
- Theoretical bases of engineering geology. Physico-chemical bases. Sergeev, E.M., ed. (1985, 288p., rus) 39-3692
- Reestablishment of larch forests in central Sikhote Alin. Glagolev, V.A., (1984, p.91-103, rus) 39-3802
- Tele-indication of dynamic states of soil and vegetation covers. Konstantinov, V.D., et al. (1985, p.112-119, rus) 39-3826
- Dynamics of geosystems and economic development of taiga in the Angara River area. Krauklis, A.A., et al. (1985, 279p., rus) 39-3984
- Aerial-landscape method of studying exogenic processes. Sadov, A.V., (1978, 151p., rus) 39-4005
- Tailings
- Construction of dumping grounds on permafrost bases. Kuznetsov, G.I., et al. (1984, p.29-30, rus) 39-1343
- Field studies of ice and thermal conditions of washed-up structures. Zakharov, M.N., (1984, p.30-33, rus) 39-1344
- Biological recultivation of technical wastes in the Far North. Kuz'min, I.U.I., (1985, p.21-24, rus) 39-3106
- Slope processes in cold regions affected by industry. Klevenkaia, I.L., et al. (1985, p.23-38, rus) 39-3628
- Microbial cenoses in Siberian ecosystems affected by technology. Naplekova, N.N., et al. (1985, p.38-69, rus) 39-3629
- Structure and successions of algal cenoses in recultivated ecosystems of southern Kuzbass. Shushueva, M.G., (1985, p.85-93, rus) 39-3631
- Taliks
- Seismic studies on bridge-construction sites in permafrost areas. Tikhonov, V.V., et al. (1984, p.34-37, rus) 39-414
- Productivity of water-intakes from taliks beneath rivers. Turutin, B.F., et al. (1984, p.109-112, rus) 39-425
- Subsurface-drainage taliks and related water phenomena. Borisov, V.V., (1984, p.78-82, rus) 39-441
- Hydrogeological studies of eastern USSR and some Asiatic countries. Pinneker, E.V., ed. (1983, 174p., rus) 39-446
- Hydrogeological mapping of cryogenic processes. Kononova, R.S., et al. (1983, p.130-136, rus) 39-470
- Effect of soil and vegetation removal on soil temperature regime in quarries. Vasil'ev, I.M., et al. (1980, p.20-24, rus) 39-751
- Cryogenic relief-forming processes in the Upper Barguzin River basin. Vyrtkin, V.B., (1984, p.47-51, rus) 39-838
- Regularities governing the formation of chemical composition of ground waters in the Udokan Range. Beliakov, A.E., et al. (1984, p.71-76, rus) 39-842
- Engineering evaluation of the Lena River floodplain. Ivanov, M.S., et al. (1984, p.96-104, rus) 39-846
- Conference of young scientific associates on the geology and geophysics of eastern Siberia, 11th, Irkutsk, Apr. 17-19, 1984. Summaries. Laperdin, V.K., ed. (1984, 240p., rus) 39-915
- Use of aerial and satellite information in studying continental waters. Usachev, V.F., ed. (1984, 125p., rus) 39-1687
- Naled plains in the BAM zone. Snishchenko, D.V., (1984, p.59-63, rus) 39-1695
- Calculating summer temperature of frozen ground curtains in earth dams. Raspopin, G.A., et al. (1984, p.97-101, rus) 39-1978
- Geodetic surveys in permafrost areas. Il'rkov, F.Kh., (1984, p.19, rus) 39-2109
- Mobility of chemical elements in periglacial lithogenesis. Makarov, V.N., (1985, p.50-61, rus) 39-3356
- Borehole blasting of deeply freezing ground and permafrost. Basistov, M.A., et al. (1984, p.149-157, rus) 39-3400
- Taliks beneath rivers
- Hydrothermal processes beneath Arctic river channels. Wankiewicz, A., (1984, p.1417-1426, eng) 39-880
- Taliks
- Rock glaciers. Gorbunov, A., (1984, p.112-113, rus) 39-117
- Ice-cored lateral moraines in Tarfala Valley, Swedish Lapland. Ackert, R.P., Jr., (1984, p.79-88, eng) 39-457
- Talus and rock glaciers. Jorda, M., (1983, p.15-24, fre) 39-2468
- Extreme rainfall and rapid snowmelt as causes of mass movements in high latitude mountains. Rapp, A., (1985, p.56, eng) 39-2693
- Skin slides on rock slopes, north shore of the Gulf of St. Lawrence. Dionne, J.C., et al. (1984, p.193-200, fre) 39-2722
- Shear strength characteristics of frozen coarse granular debris. Nickling, W.G., et al. (1984, p.348-357, eng) 39-3786
- Periglacial talus slopes. Jahn, A., (1984, p.177-193, eng) 39-3883
- Tanker ships
- Submarine tanker navigation in the Arctic. Claustica, W.G., et al. (1974, p.29-37, eng) 39-908
- SSACV icebreaking LNG tanker: feasibility study. Dadachanji, N., et al. (1982, 32p., eng) 39-1080
- Submarine tankers proposed for Arctic LNG transport. Robb, D., (1982, p.23-25, eng) 39-1474
- Ship-hull motion through brash ice. Kitazawa, T., et al. (1984, p.277-286, eng) 39-1810
- Ice-milling load encountered by a controllable pitch propeller. Sasajima, T., et al. (1984, p.297-307, eng) 39-1812
- Advanced types of ships and their seafaring qualities. Panin, I.U.I., ed. (1983, 137p., rus) 39-2280
- Architectural and structural design of submarine transport vessels. Evdokimov, G.P., (1983, p.110-118, rus) 39-2285
- Technigaz project of an icebreaker methane carrier with membrane tanks. Pauthier, J., (1983, p.861-865, fre) 39-2942
- Tanker mooring/loading systems for northern offshore arctic regions. Manoudakis, C.P., et al. (1985, p.323-336, eng) 39-3184
- Bering Sea crude oil transportation systems. Padron, D.V., et al. (1985, p.989-997, eng) 39-3237
- Single point mooring for the Bering Sea. Loire, R., et al. (1985, p.998-1008, eng) 39-3238
- Ice-milling load on propellers. Sasajima, T., et al. (1984, p.281-295, eng) 39-3489
- Tanks (combat vehicles)
- M1 winter tank test (traction devices). Final report. Smith, R.L., (1982, 38p., eng) 39-1516
- Change in orientation of artillery-delivered anti-tank mines in snow. Bigl, S.R., (1984, 20p., eng) 39-2917
- Tank thermal image suppression by insulation of the crew compartment and crew heaters exhaust. Tedeschi, M., (1984, p.357-370, eng) 39-2974
- Tanks (containers)
- Potential icing of the space shuttle external tank. Ferrick, M.G., et al. (1982, 305p., eng) 39-1712
- Mawson bulk fuel system. (1982, var. p., eng) 39-2232
- Selection of steel qualities for low temperature use. Charleux, J., et al. (1984, p.184-193, eng) 39-3188
- Tectonics
- P and S waves in rocks near Showa Station. Yukutake, H., et al. (1984, p.17-27, eng) 39-1807
- Possible impact of sheet glaciation on the thermodynamic regime of the antarctic Earth crust and its neotectonic evolution. Kadmina, I.N., et al. (1985, p.56-64, rus) 39-2894
- Telecommunication
- Improved radio alarm systems for mudflows. Abramov, A.I., et al. (1984, p.126-130, rus) 39-465
- Upgrading and moving the Chilean weather transmitter station. Carvajal, E.M., (1983, p.30-38, eng) 39-2993
- Antarctic telecommunications: a brief history and the situation today. Thomson, R.B., (1983, p.69-76, eng) 39-2995
- Allowing for peculiarities of the North. Bobkov, M., (1984, p.43-46, rus) 39-3732
- Antarctic telecommunications past, present and future. Thomson, R.B., (1985, p.40-42, eng) 39-3066
- See also: Data transmission
- Telemetry equipment
- Ultra-high-frequency measurements of snowfall intensity. Bolov, V.R., et al. (1984, p.41-45, rus) 39-1786
- See also: Remote sensing
- Temperature distribution
- Quantitative analysis of snow-line zonality. Jiang, Z., (1984, p.27-35, chi) 39-1537
- Analytical and experimental studies of the heat transfer around a vertical ice wall in fresh water at various temperatures. Dutton, C.R., et al. (1985, p.1-5, eng) 39-2388
- Freezing of soil with phase change occurring over a finite temperature zone. Lunardini, V.J., (1985, p.38-46, eng) 39-2393
- Temperature of concrete wall placed on frozen soil. Tobe, N., (1984, p.181-188, jpn) 39-2488
- Regional difference of attenuation of radio waves within antarctic ice sheet. Ohmae, H., et al. (1984, p.152-159, eng) 39-3458
- Ice flow at the Dome C ice divide. Bolzan, J.F., (1985, p.8111-8124, eng) 39-4809
- Temperature effects
- Modelling of ice accretion on wires. Makkonen, L., (1984, p.929-939, eng) 39-284
- Melting ice I at 77K and 10 kbar. Mishima, O., et al. (1984, p.393-395, eng) 39-558
- Aquatic plant growth in relation to temperature and unfrozen water content. Palazzo, A.J., et al. (1984, 8p., eng) 39-884
- Embrittlement of welds. Solomon, H.D., (1983, p.525-599, eng) 39-1448
- Major climatic events associated with a prolonged CO2-induced warming. Flohn, H., (1981, 80p., eng) 39-2325

- Behavior and design of concrete structures under thermal gradients. Jokela, J., et al, [1985, 81p., fin] 39-2756
- Macquarie Island: a wind-molded natural landscape in the Subantarctic. Löffler, E., [1984, p.267-286, eng] 39-4056
- See also: Thermal effects
- Temperature measurement**
- Measuring accuracy analysis of the heat flux plates. Zhou, Y., et al, [1983, p.77-88, chi] 39-272
- Comparison of calibrated temperature sensors: 4-300 K. Harris-Lowe, R.F., et al, [1984, p.531-535, eng] 39-2714
- Thermal emittance of diathermanous materials. Munis, R.H., et al, [1984, p.209-220, eng] 39-2842
- Electrothermal ice drilling at Jari-Joset Station, Greenland. Philberth, K., [1984, p.43-49, ger] 39-3376
- Cryptocolliditic microbial environment in the antarctic cold desert: temperature variations in nature. McKay, C.P., et al, [1985, p.19-25, eng] 39-3556
- See also: Geothermometry
- Temperature regime**
- See: Thermal regime
- Temperature variations**
- Transient temperature changes due to increasing CO₂ using simple models. Siegenthaler, U., et al, [1984, p.153-159, eng] 39-190
- Dielectric measurements of soils in the 3-37 GHz band between -50 C and 23 C. Hallikainen, M., et al, [1984, p.163-168, eng] 39-2533
- Temperature fluctuations in alpine bedrocks. Francou, B., [1983, p.27-38, fre] 39-2820
- Tensile properties**
- Development of a uniaxial ice tensile specimen for low temperature testing. Cuda, V., Jr., et al, [1984, p.47-52, eng] 39-331
- Mechanical properties of multi-year sea ice. Testing techniques. Mellor, M., et al, [1984, 39p., eng] 39-382
- Crystal-melt surface tension and grain boundary groove morphology. Voorhees, P.W., et al, [1984, p.425-440, eng] 39-611
- Ice strength in relation to grain size at high temperatures. Schulson, E.M., [1984, p.1439-1442, eng] 39-1647
- Tensile strength of ice as a function of grain size. Currier, J.H., et al, [1982, p.1511-1514, eng] 39-1657
- Tensile strength of multi-year pressure ridge sea ice samples. Cox, G.F.N., et al, [1985, p.186-193, eng] 39-2412
- Uni-axial constitutive equation of ice from beam tests. Xirouchakis, P.C., et al, [1985, p.238-243, eng] 39-2419
- Materials for tension leg platform tethers. Akahide, K., et al, [1985, p.351-356, eng] 39-2435
- Tensile strength of unsaturated soils. Snyder, V.A., et al, [1985, p.58-65, eng] 39-2451
- Sea ice morphology and characteristics. Stringer, W.J., [1985, p.1-28, eng] 39-3638
- Air permeability as a textural indicator of snow. Conway, H., et al, [1984, p.328-333, eng] 39-3783
- Terminology**
- Glossary of Russian ice terms. [1984, 78p., rus] 39-772
- Manual for Military Topography, USSR. Ministry of Defense, Moscow. Govorukhin, A.M., et al, [1980, 352p., rus] 39-1390
- Glossary of landscape and vegetation ecology for Alaska. Gabriel, H.W., et al, [1984, 137p., eng] 39-1575
- Necessity of independent nomenclature for fresh-water ice. Chishov, A.N., et al, [1984, p.47-51, rus] 39-1692
- Changes in the Canadian definitions of break-up and freeze-up. Catchpole, A.J.W., et al, [1974, p.133-138, eng] 39-2499
- Glossary of glaciology. Kotliakov, V.M., et al, [1984, 528p., rus] 39-3641
- Symbols for a geocryogenic inventory. Ahumada, A.L., [1984, p.12-18, spa] 39-3940
- Terraces**
- Origin of "inundated shore lines" of glaciated North Atlantic shelves. Grosval'd, M.G., [1982, p.125-133, rus] 39-757
- Macquarie Island: a wind-molded natural landscape in the Subantarctic. Löffler, E., [1984, p.267-286, eng] 39-4056
- Terrain identification**
- Terrain classification in Yukon Territory, Canada. Franklin, S.E., et al, [1985, p.603-611, eng] 39-3705
- See also: Geobotanical interpretation
- Test chambers**
- See: Cloud chambers; Cold chambers
- Tests**
- Model tests and in situ behaviour of prestressed anchors in snow and ice. Jesberger, H.L., et al, [1984, p.21-32, eng] 39-1789
- See also: Cold weather tests; Freeze thaw tests; High pressure tests; Impact tests; Low temperature tests; Penetration tests; Pile load tests; Strain tests; Ultrasonic tests
- Textures**
- See: Cryogenic textures; Soil texture
- Thaw depth**
- Offshore permafrost analysis. [1980, 20p. + appends, eng] 39-1045
- Thaw layer**
- See: Active layer
- Thawing**
- See also: Artificial thawing; Ground thawing; Melting
- Theories**
- Open questions in paleogeocryology. Vasil'chuk, I.U.K., et al, [1984, p.64-78, rus] 39-440
- See also: Ice age theory
- Thermal balance**
- See: Glacier heat balance; Heat balance
- Thermal conductivity**
- Phonon conductivity of ice single crystals. Kumar, A., et al, [1983, p.679-683, eng] 39-667
- Frost formation on a parallel-plate heat exchanger. O'Neal, D.L., et al, [1982, 187p., eng] 39-1231
- Testing for thermal insulation materials. Kirkpatrick, D., et al, [1983, p.497-506, eng] 39-1233
- Physical model for predicting the thermal conductivity of brine-wetted snow. Crocker, G.B., [1984, p.69-74, eng] 39-1623
- Status of numerical models for heat and mass transfer in frost-susceptible soils. Berg, R.L., [1984, p.67-71, eng] 39-2130
- Light conditions and plant growth under snow. Salisbury, F.B., [1984, p.39-50, eng] 39-2932
- Permafrost in the Mackenzie Delta, Northwest Territories. Smith, M.W., [1976, 34p., eng] 39-3053
- Heating and cooling method for measuring thermal conductivity. McGaw, R.W., [1984, 8p., eng] 39-3902
- Numerical methods in thermal problems. [1983, 1215p., eng] 39-3960
- Thermal characteristics of a one layer spherical particles insulator. Khader, M.S., [1983, p.65-75, eng] 39-3961
- Solution of phase change problems. O'Neill, K., [1983, p.134-146, eng] 39-3965
- New type of boundary condition in convective heat transfer problems. Dorfman, A.S., [1985, p.1197-1203, eng] 39-4020
- Thermal diffusion**
- Transport from a vertical ice surface melting in saline water. Johnson, R.S., et al, [1984, p.1928-1932, eng] 39-885
- Problems of hydrodynamics with free boundaries. Monakhov, V.N., ed, [1984, 169p., rus] 39-1118
- Time periodic solution of a thermal diffusion Stefan Problem. Petrova, A.G., [1984, p.82-98, rus] 39-1120
- Thermal diffusivity of ice, mercury and aluminum at melting point. Lamvik, M., [1982, p.79-87, eng] 39-1666
- Thermal drills**
- Thermal drilling of boreholes for pile supports in frozen ground. Sherstik, B.F., et al, [1984, p.31-34, rus] 39-1034
- Development of ice core drilling equipment and technology. Kudriashov, B.B., et al, [1983, p.574-583, eng] 39-2631
- Hot-water jet-drills for massive ice. Kravchenko, V.V., [1984, p.161-164, rus] 39-2783
- Electrothermal ice drilling at Jari-Joset Station, Greenland. Philberth, K., [1984, p.43-49, ger] 39-3376
- Heat and mass transfer in contact melting (applied to thermal drilling). Chistiakov, V.K., et al, [1984, 176p., rus] 39-3377
- Mathematical description of contact melting of ice. Salamatin, A.N., et al, [1985, p.1071-1077, eng] 39-3405
- Thermal effects**
- Interaction of oil and arctic sea ice. Thomas, D.R., [1984, p.441-460, eng] 39-1884
- Investigation of thermally actuated water migration in frozen soils. Williams, P.J., et al, [1980, 59p. + appends, eng] 39-2685
- Are there secondary flows at the edge of the Filchner Ice Shelf. Rose, L., [1985, p.78-85, ger] 39-2810
- Iceberg fragmentation by thermal shock. Diemand, D., [1984, p.8-10, eng] 39-2833
- Tank thermal image suppression by insulation of the crew compartment and crew heaters exhaust. Tedeschi, M., [1984, p.357-370, eng] 39-2974
- See also: Temperature effects
- Thermal expansion**
- Thermal expansion of saline ice. Cox, G.F.N., [1983, p.425-432, eng] 39-204
- Length-thermal stress relations for composite bridges. Emanuel, J.H., et al, [1985, p.788-804, eng] 39-3315
- Thermal ice forces against isolated structures. Sanderson, T.J.O., [1984, p.289-299, eng] 39-3502
- Thermal imagery**
- See: Infrared photography
- Thermal insulation**
- Superinsulated perspective house. Haigh, J.G., [1984, p.26-29, eng] 39-82
- Moisture absorption of thermal insulations. Bomberg, M., [1983, p.232-249, eng] 39-142
- Thermal insulation and materials. Govan, F.A., ed, [1983, 893p., eng] 39-219
- Reinforced concrete panels for building construction in cold areas. Pavlovskaya, G., [1984, p.6-7, rus] 39-432
- Effect of soil and vegetation removal on soil temperature regime in quarries. Vasil'ev, I.M., et al, [1980, p.20-24, rus] 39-751
- Inclined drainage of earth dams in the North. Moshkova, M.A., et al, [1980, p.52-55, rus] 39-753
- Standard sectional buildings for the North. Dukarskii, I.U.M., et al, [1984, p.22-26, rus] 39-893
- Thermal insulation for northern oil fields. Shaposhnikov, V.I.A., et al, [1984, p.45-47, rus] 39-1036
- Frost resistance of polymers. Starzhetskaya, T.A., et al, [1984, p.49-54, rus] 39-1113
- Testing for thermal insulation materials. Kirkpatrick, D., et al, [1983, p.497-506, eng] 39-1233
- Use of industrial waste materials in road construction. Mironov, A.A., et al, [1984, p.3-4, rus] 39-1309
- Bibliography on pipeline insulation and corrosion. [1983, 81p., eng] 39-1515
- Potential icing of the space shuttle external tank. Ferrick, M.G., et al, [1982, 305p., eng] 39-1712
- Thermal protection system for the space shuttle external tank. Ronquillo, L., et al, [1984, p.228-250, eng] 39-1734
- Improving the stability of quarry slopes in the north. Shurgin, B.V., et al, [1983, p.61-71, rus] 39-1893
- Interview with official of the Soviet ministry of the petroleum industry. Kluchnikova, L.P., [1985, p.6-8, rus] 39-2025
- Pipeline workpads in Alaska. Metz, M.C., [1984, p.106-108, eng] 39-2138
- Possible applications of foam cements in protecting the environment in connection with well drilling. Bakshutov, V., [1984, p.208-210, eng] 39-2158
- Mobile-crew flow-type method of building the transcontinental pipeline Urengoy-Pomary-Uzhgorod. Sudobin, G.N., et al, [1985, p.12-13, rus] 39-2223
- Dwellings and climate. Litakevich, V.K., [1984, 288p., rus] 39-2278
- Railroad-bridge floors for severe climatic conditions. Andreev, G.G., et al, [1982, p.69-80, rus] 39-2521
- Thermal insulation and additional moisture insulation in buildings. Kohonen, R., et al, [1984, 93p. + appends, fin] 39-2755
- Arctic house. Nottingham, D., et al, [1984, p.8-11, eng] 39-2760
- Tank thermal image suppression by insulation of the crew compartment and crew heaters exhaust. Tedeschi, M., [1984, p.357-370, eng] 39-2974
- Large panel residential buildings for Siberian conditions. Khabibulin, K.I., et al, [1985, p.27-29, rus] 39-3123
- Technical considerations for Beaufort Sea pipelines. Weidler, J.B., et al, [1985, p.774-782, eng] 39-3222
- Pipeline hardware: special designs for Arctic projects. Key, J.M., [1985, p.801-811, eng] 39-3225
- Industrialized construction of petroleum industry objects. Andrienko, V.G., et al, [1985, 342p., rus] 39-3313
- Determining the power of heating elements needed for heated floors of modular buildings. Kazantsev, I.A., et al, [1984, p.21-22, rus] 39-3772
- Comparison of JARE and Eskimo cold weather clothing. Watanabe, K., et al, [1985, p.12-23, eng] 39-3953
- Measuring thermal performance of building envelopes. nine case studies. Flanders, S.N., [1985, 36p., eng] 39-3958
- Thermal characteristics of a one layer spherical particles insulator. Khader, M.S., [1983, p.65-75, eng] 39-3961
- Thermal measurements**
- See: Temperature measurement
- Thermal processes**
- See: Hydrothermal processes
- Thermal properties**
- Thermophysical properties of natural gas hydrates. Grotzman, A.G., et al, [1984, p.26-30, rus] 39-324
- See also: Ice thermal properties; Permafrost thermal properties
- Thermal radiation**
- Calculating thermal emission of ice covers. Brekhovskikh, V.L., [1984, p.33-38, rus] 39-158
- Dynamical heat-flux feedbacks and global climate stability. Molnar, G., et al, [1984, p.106-110, eng] 39-182
- Increased snow melting due to longwave radiation from snowfree ground. Roland, E., [1984, p.5117-5125, eng] 39-1299
- Thermal emittance of diathermanous materials. Munis, R.H., et al, [1984, p.209-220, eng] 39-2842
- Thermal regime**
- Construction of hydraulic tunnels in the Far North. Zimin, L.B., et al, [1984, p.33-34, rus] 39-161
- Improving the thermal regime of frozen peat. Korekovtsev, A.S., [1984, p.67-69, rus] 39-319
- Iceberg temperatures in the North Atlantic: theoretical and measured. Diemand, D., [1984, p.171-178, eng] 39-341
- Microthermal observations in Arctic vegetation. Hansen, K., [1973, 32p., eng] 39-952
- Field studies of ice and thermal conditions of washed-up structures. Zakharov, M.N., [1984, p.30-33, rus] 39-1344

Thermal regime (cont.)

Improved ice control with better understanding of thermal regime of the international section of St. Lawrence River. Bunte-Bianetti, D., et al. (1984, p.371-386, eng) 39-1472

Seepage and thermal regime of concrete-earth junctions. Gorokhov, E.N., et al. (1984, p.45-46, rus) 39-1595

Recent developments on mathematical modelling of winter thermal regime of rivers. Marcotte, N., (1984, p.201-210, eng) 39-1768

Analysis of ice dam formation and its forecasting. Liu, G., et al. (1984, p.233-240, eng) 39-1771

Hot-oil and chilled-gas pipeline interaction with permafrost. Mathews, A.C., (1984, p.101-105, eng) 39-2137

Climate change and other effects on permafrost. Smith, M., (1984, p.153-155, eng) 39-2147

Thermal regime of thermokarst lakes in central Yakutia. Pavlov, A.V., et al. (1984, p.282-285, eng) 39-2173

Characteristics of soil temperature regimes in the Inuvik area. Tarnocai, C., (1984, p.19-37, eng) 39-2264

Energy balance and ground frost: a statistical analysis. Singh, B., et al. (1984, p.135-147, fre) 39-2720

Flow models in katabatic winds. Kottmeier, C., (1985, p.86-96, ger) 39-2811

Thermal regimes for freezing and thawing of moist soils. Civan, F., et al. (1985, p.407-410, eng) 39-3277

Comment on "Ice-induced vertical circulation in an Arctic fiord" by Edward P.W. Horne. Neshyba, S., et al. (1985, p.5011-5013, eng) 39-3434

Feasibility of ice control below high-head hydro projects. Liapin, V.E., et al. (1984, p.77-87, eng) 39-3472

Thermal state and stability of tunnel in Tumengela coalmine. Xizang, L., et al. (1980, p.46-50, chj) 39-3701

Heat loss factors for insulated building foundations. Zarling, J.P., et al. (1984, 65p., eng) 39-3937

Polygons in the seasonally freezing area of Rio Gallegos, S. Patagonia. Bustos, R., et al. (1984, p.39-46, spa) 39-3942

Analysis of heat flow in artificially frozen soils. Makowski, E., et al. (1982, p.1211-1220, eng) 39-4063

Thermal stresses

Design of reinforced concrete engineering structures for thermal stresses. Krichevskii, A.P., (1984, 149p., rus) 39-771

Thermal displacements, deformations and stresses in fast ice. Kulakov, M.I.U., et al. (1984, p.32-46, eng) 39-3661

Unsolved problems of creep. Weertman, J., (1985, p.227, eng) 39-3886

Thermistors

Interaction of self heated thermistor probe with a freezing front moving through moist porous media. Pinchak, A.C., (1985, p.16-21, eng) 39-2390

Thermocouples

Comparison of calibrated temperature sensors: 4-300 K. Harris-Lowe, R.F., et al. (1984, p.531-535, eng) 39-2714

Thermodynamic properties

Thermodynamic coupled ice-ocean model of the marginal ice zone. Röed, L.P., (1984, p.1921-1929, eng) 39-3143

Thermodynamics

Prediction of frost heave of roads. Saetersdal, R., (1983, p.27-30, eng) 39-315

Thermodynamic model of creep at constant stress and constant strain rate. Fish, A.M., (1984, p.143-161, eng) 39-339

East Greenland Sea ice variability in large-scale model simulations. Walsh, J.E., et al. (1984, p.9-14, eng) 39-362

On the decay and retreat of the ice cover in the summer MIZ. Maykut, G.A., (1984, p.15-22, eng) 39-363

Mesoscale coupled ice/ocean modeling of the marginal ice zone. Röed, L.P., et al. (1984, p.37-42, eng) 39-366

Thermodynamic equilibrium of a crystalline sphere in a fluid. Mullins, W.W., (1984, p.1436-1442, eng) 39-654

Seawater. Park, P.K., (1972, p.245-264, eng) 39-809

Ice dynamics. Hibler, W.D., III, (1984, 52p., eng) 39-896

Application of a numerical sea ice model to the East Greenland area. Tucker, W.B., (1982, 40p., eng) 39-1268

Energy balance of tundra, sea surface, glaciers and forests in Arctic. Ohmura, A., (1984, p.221-228, eng) 39-1732

Sensitivities of cryospheric models to insolation and temperature variations using a surface energy balance. Ledley, T.S., (1982, p.581-597, eng) 39-1988

Physical properties of liquid water and ice. Reimers, J.R., et al. (1984, p.201-223, eng) 39-2011

Theory of desiccation of unconsolidated rocks in areas with negative temperatures. Komarov, I.A., (1984, p.236-241, eng) 39-2164

Thermal interaction between pipelines and the environment. Krivoshein, B.L., (1984, p.242-247, eng) 39-2165

Stress-strain condition and the assessment of slope stability in areas of complex geological structure under various temperature regimes. Ukhov, S.B., et al. (1984, p.300-305, eng) 39-2177

Thermodynamic model of seasonal evolution of the ocean-atmosphere system. Kagan, B.A., et al. (1984, p.201-204, eng) 39-2196

Thermodynamic properties of water in the supercooled region. Leyendekkers, J.V., et al. (1985, p.1440-1453, eng) 39-2509

Advances in heat pipe technology. (1982, 818p., eng) 39-2907

Thermodynamic analysis of heat pipe operation. Vasil'ev, L.L., et al. (1982, p.313-325, eng) 39-2911

See also: Frozen ground thermodynamics

Thermokarst

Environmental protection in permafrost areas. Leshchikov, F.N., et al. (1982, p.113-118, rus) 39-36

Spaceborne photography in road construction. Revzon, A.L., et al. (1984, p.15-17, rus) 39-354

Sea and ocean level fluctuations for 15,000 years. Kaplan, P.A., ed. (1982, 230p., rus) 39-754

Structures of northern sea shores. Bashlavin, D.K., et al. (1982, p.174-178, rus) 39-758

Cryogenic processes and phenomena in Siberia. Nekrasov, I.A., ed. (1984, 164p., rus) 39-832

Cryogenic relief-forming processes in the Upper Barguzin River basin. Vyrkin, V.B., (1984, p.47-51, rus) 39-838

Studying permafrost outcrops in the Kolyma River valley. Murzin, I.U.A., et al. (1984, p.119-127, rus) 39-849

Permafrost and environmental protection of major basins in the Stanovoy highlands. Nekrasov, I.A., et al. (1984, p.46-58, rus) 39-902

Conference of young scientific associates on the geology and geophysics of eastern Siberia. 11th. Irkutsk, Apr. 17-19, 1984. Summaries. Laperdin, V.K., ed. (1984, 240p., rus) 39-915

Thermal settlement in the Central Yakutia plain. Bazylev, V.A., (1984, p.149-150, rus) 39-921

Peculiarities of thermokarst. Filippov, A.G., (1984, p.159, rus) 39-923

Land reclamation problems in the Magadan area. Talyzin, I.U.I., (1984, p.31-33, rus) 39-1301

Cryogenic structure of Quaternary deposits in the Lena-Aldan basin. Ivanov, M.S., (1984, 125p., rus) 39-1397

Comparative planetology, Section S.19. Proceedings, Vol.19. (1984, 142p., rus) 39-1451

Structure of the cryolithosphere of the planet Mars. Kuz'min, R.O., (1984, p.32-39, rus) 39-1453

Glacier karst phenomena in Spitsbergen. Pulina, M., (1984, p.163-168, eng) 39-1733

Modeling cryogenic physical-geological processes. Grechishchev, S.E., et al. (1984, 230p., rus) 39-1907

Geocryological conditions of the Baykal-Stanovoy Range part of the BAM zone. An, V.V., et al. (1984, 151p., rus) 39-1947

Calculating summer temperature of frozen ground curtains in earth dams. Raspopin, G.A., et al. (1984, p.97-101, rus) 39-1978

Permafrost and thermokarst in Central Yakutia. Koutaniemi, L., (1984, p.167-181, fin) 39-2054

Environmental impact of mining in permafrost areas. El'chaninov, E.A., (1984, p.129-135, rus) 39-2339

Water supply in the taiga zone of Siberia. Pinneker, E.V., et al. (1984, p.52-63, rus) 39-2344

Permafrost and thermokarst processes in the Nastapoca River area, New-Quebec. Seguin, M.K., et al. (1984, p.11-25, fre) 39-2705

Problems of engineering glaciology. Osokin, N.I., (1984, p.215-219, rus) 39-2794

Cryogenic soils of Yakutia and their utilization. Elovskaya, L.G., ed. (1984, 125p., rus) 39-3020

Forest soils of the Lena-Amga interfluvium. Desiatkin, R.V., (1984, p.14-20, rus) 39-3021

Economic development of lands under permafrost conditions. Gavril'ev, P.P., (1984, p.20-34, rus) 39-3022

Surveys, regionalization and mapping of permafrost areas. Bulatov, V.I., (1984, p.77-97, rus) 39-3082

Alasay soils of the Lena-Amga interfluvium. Desiatkin, R.V., (1984, 166p., rus) 39-3091

Problems of accelerated construction of roadbeds in polar areas. Freidin, I.A.I., (1985, p.9, rus) 39-3113

Udokan (natural resources and their development). Narkelium, L.F., ed. (1985, 230p., rus) 39-3594

Permafrost phenomena in the Chara River basin. Kredelev, F.P., et al. (1985, p.53-82, rus) 39-3596

Preservation and stability of mountain landscapes in inner Asia. Mikhailov, I.S., et al. (1984, p.17-23, rus) 39-3808

Thermokarst lakes

Hydrochemistry of ice in thermokarst lakes. Shesterkin, V.P., (1984, p.137-143, rus) 39-851

Thermal regime of thermokarst lakes in central Yakutia. Pavlov, A.V., et al. (1984, p.282-285, eng) 39-2173

Thermometry

See: Temperature measurement

Thermopiles

Strengthening frozen bases by cooling. Gapeev, S.I., (1984, 152p., rus) 39-1322

Performance of thermopiles at the Sytykansaya earth-rock fill dam. Gorshkov, V.G., et al. (1984, p.41-42, rus) 39-1593

Calculating summer temperature of frozen ground curtains in earth dams. Raspopin, G.A., et al. (1984, p.97-101, rus) 39-1978

Thermopiles for permafrost control in Siberia. Baaz, S.L., et al. (1984, p.11-12, rus) 39-2101

Thermopile construction in the North. Vialov, S.S., et al. (1984, 148p., rus) 39-3380

Application of thermopiles. Kazakov, V.P., (1984, p.22-23, rus) 39-3877

Thin sections

Thin sectioning and surface replication of ice at low temperature. Daley, M.A., et al. (1984, p.248-250, eng) 39-1685

Crystalline structure of ice formed by droplet accretion. Pts. 1 and 2. McCappin, C.J., et al. (1984, p.2437-2455, eng) 39-1821

Thixotropy

Foundations built on loess. Anan'ev, V.P., (1984, p.3-8, rus) 39-582

Difficulties in construction on sagging soils. Gol'dshtein, M.N., (1984, p.9-10, rus) 39-583

Seismic stability of bridges. Shestopov, G.S., (1984, 143p., rus) 39-1238

Design and protection of industrial buildings under special conditions. Metelich, N.S., et al. (1984, 177p., rus) 39-3693

Tibet

Basal moraine hills at Boduizangbu Basin in the southeastern Tibet. Yang, Y., (1983, p.71-74, chj) 39-270

Pleistocene glaciation on the Tibetan plateau. Dronia, H., (1982, p.254-255, ger) 39-1212

Tidal currents

Current, temperature and salinity beneath George VI Ice Shelf. Loynes, J., et al. (1984, p.1037-1055, eng) 39-1004

Potential effect of CO2 warming on sub-ice-shelf circulation and basal melting. MacAyeal, D.R., (1984, p.212-221, eng) 39-1509

Tidal currents and eddy statistics from iceberg trajectories off Labrador. Garrett, C., et al. (1985, p.1333-1335, eng) 39-1941

Hydrologic studies in estuarine areas of Arctic rivers. Ivanov, V.V., ed. (1984, 135p., rus) 39-2012

Calculating tidal phenomena in Ob' Bay. Stanovoi, V.V., (1984, p.10-18, rus) 39-2013

Tides

Vertical turbulent exchange in estuaries beneath ice cover, during high tides. Debol'skii, V.K., et al. (1984, p.279-290, rus) 39-890

Vertical tidal motion of Filchner Ice Shelf. Eckstaller, A., et al. (1984, p.82-97, ger) 39-1605

Hydrographic investigations at the edge of the Filchner Ice Shelf. Rohardt, G., (1984, p.137-143, ger) 39-1610

Study of the M2 tide in the ice-covered Arctic Ocean. Kowalik, Z., (1981, p.201-223, eng) 39-2001

Computer model of the tidal phenomena in Cook Inlet, Alaska. Carlson, R.F., et al. (1972, 69p., eng) 39-2635

Gravity tides on the Filchner Ice Shelf. Eckstaller, A., et al. (1985, p.58-59, eng) 39-2806

Influence of marginal ice cover on storm surges. Murty, T.S., et al. (1985, p.329-336, eng) 39-3036

Till

See: Glacial till

Timberlines

See: Forest lines

Tissues

See: Plant tissues

Tools

See: Equipment

Topographic features

Systematic unequal dissection of opposing valley sides. Liebling, R.S., et al. (1983, p.512-514, eng) 39-213

Cryogenic relief of western Siberia. Shpolianskaia, N.A., (1984, p.17-23, rus) 39-580

Morphological mapping in high latitude mountains. Peulvast, J.P., (1983, p.67-81, fre) 39-723

Comparative planetology, Section S.19. Proceedings, Vol.19. (1984, 142p., rus) 39-1451

Fluvial history of the planet Mars. Karr, M.H., (1984, p.22-32, rus) 39-1452

Glaciological activities of the Vasilov Dome research station. Govorukha, L.S., (1984, p.79-82, rus) 39-1833

Principles of terrain classification for pipeline construction. Demidiuk, L.M., et al. (1984, p.217-221, eng) 39-2160

Electrical resistivity soundings of glacier beds. Haeberli, W., et al. (1984, p.373-376, eng) 39-3791

See also: Bottom topography, Coastal topographic features

Topographic maps

Manual for Military Topography, USSR. Ministry of Defense, Moscow. Govorukhin, A.M., et al. (1980, 352p., rus) 39-1390

Special colour enhancement for three channels having similar radiances. Thomas, I.L., et al. (1984, p.753-760, eng) 39-2354

Topographic surveys

- Manual for Military Topography, USSR. Ministry of Defense, Moscow. Govorukhin, A.M., et al, [1980, 352p., rus] 39-1390
- Radio echo sounding of inland ice near Disko Bay, Greenland, 1984. Thomsen, H.H., et al, [1985, 20p., eng] 39-2843

Towers

- API bulletin on planning, designing, and constructing fixed offshore structures in ice environments. [1982, 49p., eng] 39-1383
- Erecting pile-drivers on artificially frozen ground. Vialov, S.S., et al, [1984, p.7-10, rus] 39-1830
- Icing regime of tall structures. Mytarev, M.N., [1984, p.94-103, rus] 39-2377

Towing

See: Iceberg towing

Trace metals

- Barite from drilling fluids in the Beaufort Sea. Macdonald, R.W., [1984, p.29-49, eng] 39-1825

Tracked vehicles

- Introduction to terramechanics. Wong, J.Y., [1984, p.5-17, eng] 39-87
- Improved method for predicting tracked vehicle performance. Wong, J.Y., [1984, p.35-43, eng] 39-88

- Exhibition of excavation equipment for frozen ground. Riaboshapko, B.I., [1984, p.24-27, rus] 39-132

- Vehicle traction mechanics. Yong, R.N., et al, [1984, 307p., eng] 39-544

- Long-term effects of off-road vehicle traffic on tundra terrain. Abele, G., et al, [1984, p.283-294, eng] 39-1586

- Thorough preparation for winter. Briks, M.I., [1984, p.2-3, rus] 39-2105

- Environmental impact of different machines used in forestry. Vinogorov, G.K., [1984, p.26-27, rus] 39-2106

- Australian experience with tractors and tracked carriers. Holmes, I.E.B., [1983, p.78-85, eng] 39-2596

- Ground transportation at the antarctic stations of the F.R.G. Kohnen, H., [1983, p.106-114, eng] 39-2601

- Vehicles used by SANAE. Nel, J.G., [1983, p.132-136, eng] 39-2606

- Snowpack ground truth measurements: I. Overview. Gimmestad, G.G., et al, [1984, p.123-137, eng] 39-2956

- Trafficability of peat soils for tractors. Kochedykov, A.K., [1984, p.4-7, rus] 39-3740

- Preservation and stability of landscapes affected by human activities. Matveev, N.P., ed, [1984, 107p., rus] 39-3807

Tracking (position)

See: Radar tracking

Traction

- Improved method for predicting tracked vehicle performance. Wong, J.Y., [1984, p.35-43, eng] 39-88

- Shallow snow model for predicting vehicle performance. Harrison, W.L., [1981, 21p., eng] 39-1261

- M1 winter tank test (traction devices). Final report. Smith, R.L., [1982, 38p., eng] 39-1516

- Deicing and traction forming composition and methods of making same. Lowe, H.E., Jr., [1981, 4 col. + figs., eng] 39-3854

- Novel road and highway deicer and traction agent, and process for its manufacture. Gancy, A.B., [1984, 4 col., eng] 39-3860

- Process of making calcium acetate deicing agents and product. Gancy, A.B., [1984, 10 col., eng] 39-3861

- Coarse-particle calcium/magnesium acetate suitable for roadway and walkway deicing, and process for its manufacture. Gancy, A.B., [1984, 10 col., eng] 39-3862

Tractors

- Vehicles used by SANAE. Nel, J.G., [1983, p.132-136, eng] 39-2606

Trafficability

- Introduction to terramechanics. Wong, J.Y., [1984, p.5-17, eng] 39-87

- Improved method for predicting tracked vehicle performance. Wong, J.Y., [1984, p.35-43, eng] 39-88

- Building the Alaska highway: political background. Naake, C.M., [1984, p.25-35, eng] 39-2763

- Conferences 1961 to 1981; bibliography. [1984, 165p., eng] 39-2840

- Truck drivers' attitudes to winter road maintenance. Arnberg, P.W., [1984, 17p. + appenda, swc] 39-3795

- Effect of different factors on car speeds on rural roads. Sweden. Kolsrud, B., [1984, 36p., swc] 39-3797

See also: Soil trafficability

Transmission

- Transmittance measurements, SNOW-ONE-B. Curcio, J.A., et al, [1983, p.215-237, eng] 39-1958

- Lidar measurements from the SNOW-ONE-B field experiment. DeLateur, S.A., et al, [1983, p.239-247, eng] 39-1959

- SNOW-ONE-B ASL/SMART measurements. Hanley, S.T., et al, [1983, p.249-278, eng] 39-1960

Millimeter wave transmission fluctuations due to snow

- Bohlander, R.A., et al, [1984, p.25-39, eng] 39-2946

- SMART measurements at SNOW-TWO. Crow, S.B., et al, [1984, p.53-72, eng] 39-2948

- Catalog of smoke/obscuration characterization instruments. O'Brien, H.W., et al, [1984, p.77-82, eng] 39-2950

- Particle size and optical turbulence measurements in a snow environment. Olsen, R.O., et al, [1984, p.89-94, eng] 39-2952

- Performance of microprocessor-controlled snow crystal replicator. Koh, G., [1984, p.107-111, eng] 39-2954

- System for the point measurement of airborne snow extinction coefficient. Hutt, D.L., et al, [1984, p.113-120, eng] 39-2955

- Extinction models for falling snow, blowing snow, and snow with fog. Seagraves, M.A., [1984, p.235-245, eng] 39-2964

See also: Radiation absorption

Transmission line towers

See: Power line supports

Transmission lines

- Electrification of the western section of the BAM. Morits, E.I.A., [1984, p.15-16, rus] 39-1165

- Formulas for calculating first and last icings in the season. Guliaev, I.U.N., [1984, p.33-38, rus] 39-2250

- Rules for the development of united regional appraisals for structures and construction work. [1985, 156p., rus] 39-2516

- Lake Erie cable crossing—ice scour study. Grass, J.D., [1985, p.1-10, eng] 39-3753

- Lake Erie ice scour investigation. Comfort, G., et al, [1985, p.55-99, eng] 39-3757

See also: Power lines

Transmissivity

- Snow Symposium, 4th, Hanover, NH, Vol.1. [1984, 433p., eng] 39-2944

- Validation and analysis of SNOW-ONE-A transmission data. Persky, M.J., et al, [1984, p.9-24, eng] 39-2945

- Approach to snow propagation modeling. Koh, G., [1984, p.247-259, eng] 39-2965

- Analysis of helicopter snow obscuration sub-test at SNOW-TWO. Ebersole, J.F., et al, [1984, p.289-310, eng] 39-2969

- Helicopter-lofted snow model for EOSAEL. Burlbaw, E., et al, [1984, p.311-322, eng] 39-2970

- Explosive obscuration sub-test results at the SNOW-TWO field experiment. Ebersole, J.F., et al, [1984, p.347-354, eng] 39-2973

- Modeling the effects of a cold environment on screening smokes. Matise, B.K., [1984, p.417-433, eng] 39-2981

- Snow-Two/Smoke Week VI field experiment plan. Redfield, R.K., et al, [1984, 85p., eng] 39-3031

See also: Radiation absorption

Transparency

See: Light transmission; Turbidity

Transpiration

- Ecologic and physiological characteristics of Arctic and Subarctic tundra plants. Maslova, T.G., et al, [1984, p.90-91, rus] 39-525

- Thermal eutrophy of northern ponds. Kukan, M.S., [1984, p.19-31, rus] 39-821

- Transpiration and water stress in western coniferous forests. Running, S.W., [1984, 52p., eng] 39-1713

- Acclimatization and respiration of Arctic plants. Ivanova, T.I., et al, [1984, p.59-64, rus] 39-2647

Transportation

- Production of road construction material from till. Knutz, A., [1984, p.99-100, eng] 39-148

- Winter freight traffic in northern areas. Maslennikov, N., [1984, p.5-6, rus] 39-428

- Settlement and regional planning for the North. Miakinenkov, V.M., [1983, 115p., rus] 39-646

- Year-round construction in eastern Siberia. Vel'chev, S.P., et al, [1984, p.6-8, rus] 39-750

- Method of restoring the friability of frozen peat. Lishtvan, I.I., et al, [1984, p.8-10, rus] 39-794

- Air-cushion belt conveyor equipped with a cargo-carrying unit. Aralkin, A.S., [1984, p.67-71, rus] 39-799

- Economic development of the Chita section of BAM. Zadorozhnyi, V.F., et al, [1984, p.101-108, rus] 39-904

- Improvements in planning the development of merchant marine. Panin, I.U.I., ed, [1983, 88p., rus] 39-963

- Cargo transportation in the Arctic. Egorov, N.P., [1983, p.43-47, rus] 39-964

- Process industries in Alaska. Downey, R.J., [1982, p.196-198, eng] 39-1244

- Baykal Amur railroad: the first decade. Aganbegian, A.G., ed, [1984, 208p., rus] 39-1408

- Baykal Amur railroad at the last stage of construction. Mokhortov, K.V., [1984, p.29-38, rus] 39-1409

- Concrete mixers with heated bodies for cold regions. Ostromogolskii, V.I., et al, [1984, p.13-14, rus] 39-1537

- Organization and technology of power line construction under high mountain conditions. Pogrebkov, K.A., [1985, p.15-17, rus] 39-1993

- Interview with official of the Soviet ministry of the petroleum industry. Kliuchnikova, L.P., [1985, p.6-8, rus] 39-2025

- Shortage of living accommodations in Yamburg. Nabokov, V.V., [1985, p.10, rus] 39-2028

- Social and housing conditions in the Yamburg gas field. Asaenko, V.I., [1985, p.11, rus] 39-2029

- Thorough preparation for winter. Briks, M.I., [1984, p.2-3, rus] 39-2105

- Proceedings of the 3rd Symposium on Antarctic Logistics, 1982. [1983, 634p. in 3 vols., eng] 39-2591

- Modular ISO sea container caravan for antarctic use. Holmes, I.E.B., [1983, p.303-307, eng] 39-2619

- River port construction in northern regions. Baklanov, A.S., et al, [1985, p.21-22, rus] 39-3119

- Urban planning and construction of petroleum complexes. Sukhanov, N.V., [1985, p.25-27, rus] 39-3122

- Design of settlements for mobile crews. Sobchenko, M.S., et al, [1985, p.29-30, rus] 39-3124

- Transportation. Vance, G., [1985, p.77-82, eng] 39-3331

- Review of the development and construction technology of northern petroleum fields. Berezin, V.L., et al, [1985, 51p., rus] 39-3426

- Landscape-ecological approach to the optimization of natural complexes affected by technology. Motorina, L.V., [1985, p.12-23, rus] 39-3627

- Machines used in BAM construction. Chelombiev, V.N., et al, [1985, p.32-33, rus] 39-3822

- Special means of transportation for construction materials and objects. Lobanov, V.N., [1985, p.26-27, rus] 39-3993

- Electromagnetic load-lifting device. Timin, V.N., et al, [1985, p.28-29, rus] 39-3994

- See also: Marine transportation; Military transportation; Petroleum transportation; Tanker ships

Traverses

- Glaciological studies of the Filchner Ice Shelf, 1983/84. Reinwarth, O., et al, [1984, p.37-52, ger] 39-1600

- JARE glaciological research in Queen Maud Land, 1983. Nakawo, M., et al, [1984, 80p. + map, eng] 39-2484

- Modular ISO sea container caravan for antarctic use. Holmes, I.E.B., [1983, p.303-307, eng] 39-2619

- Accumulation on the Filchner/Ronne Ice Shelves. Reinwarth, O., et al, [1985, p.7-17, ger] 39-2800

Tree lines

See: Forest lines

Trees (plants)

- Jack pine microsporangia in winter. Cecich, R.A., [1984, p.851-864, eng] 39-95

- Frost damage evaluation in seedlings of *Pinus radiata*. Greer, D.H., [1983, p.72-79, eng] 39-465

- Frost hardiness of *Pinus radiata*. Greer, D.H., [1983, p.80-86, eng] 39-466

- Living snowfence. Koehlmoo, L.A., [1983, p.23-24, eng] 39-768

- Stability of the northern Canadian tree limit. Elliott-Fisk, D.L., [1983, p.560-576, eng] 39-863

- Biogenic accumulation of nitrogen in plants of tundra zone (exemplified by the ecosystems of Bol'shezemel'skaya tundra). Grunina, L.K., et al, [1984, 32p., rus] 39-1396

- Forest vegetation as an indicator of permafrost. Borshcheva, N.M., et al, [1983, p.176-187, rus] 39-1930

- Dated wood from Alaska and Yukon. Hopkins, D.M., et al, [1981, p.217-249, eng] 39-2448

- Frost resistance of Norway spruce seedlings. Salai, J., et al, [1984, p.144-148, eng] 39-3428

- Dynamic processes in forests of the Far East. Man'ko, I.U.I., ed, [1984, 168p., rus] 39-3798

- Climate changes in a spruce stand in northern Quebec. Payette, S., et al, [1985, p.125-138, eng] 39-3889

Trenching

- Combined method of placer mining in permafrost. Chugunov, I.U.D., [1983, p.40-43, rus] 39-1891

- Protection of Arctic submarine pipelines against ice scour. Nessim, M.A., et al, [1985, p.610-617, eng] 39-2385

- Seam-blasting of frozen ground. Balbachan, I.P., et al, [1985, p.12-14, rus] 39-2734

- Technical considerations for Beaufort Sea pipelines. Weidler, J.D., et al, [1985, p.774-782, eng] 39-3222

- Lake Erie cable crossing—ice scour study. Grass, J.D., [1985, p.1-10, eng] 39-3753

Trucks

See: Motor vehicles

Tundra

- Increasing economic efficiency of the intensification of fodder plant production in northern Europe. Podoplelov, V.P., ed, [1983, 98p., rus] 39-26

- Effectiveness of grassland establishment in tundra. Kotelina, N.S., et al, [1983, p.47-57, rus] 39-27

- Soils of the islands and maritime regions of the Pacific Ocean: Proceedings of the 14th Scientific Congress on the Pacific Ocean, Khabarovsk, August, 1979. Ivlev, A.M., ed, [1982, 174p., rus] 39-29

- Pedologic and geographic regionalization of the Far North-East. Ignatenko, N.V., et al, [1982, p.44-96, rus] 39-30

- Mosses in Yamal tundra. Andreeva, E.N., [1981, p.18-19, rus] 39-58

Tundra (cont.)

- Hepatic mosses of the Taymyr Peninsula. Zhukova, A.L., [1981, p.42-43, rus] 39-64
- Lichens in the Arctic tundras of the Yamal Peninsula. Andreev, M.P., [1981, p.75-76, rus] 39-73
- Structure of lichen biomass in tundras of the Northeast. Poleshaev, A.N., [1981, p.109-110, rus] 39-79
- Role of lichens in rubly tundras of the Sangien highlands (Tuva). Sedel'nikova, N.V., [1981, p.110-112, rus] 39-80
- Prudhoe Bay Waterflood Project: Environmental monitoring program 1983. [1984, 3 vols., eng] 39-154
- Using space imagery in compiling landscape maps. Riabchukova, V.I., [1984, p.39-43, rus] 39-159
- Micromycetes in soils of an Arctic tundra ecosystem. Bab'eva, E.N., et al, [1983, p.71-74, rus] 39-221
- Nivation in tundra. Rapp, A., [1982, p.131-142, swe] 39-281
- Summaries of papers presented at the 5th convention of the delegates of the All-Union Botanical Society. Lavrenko, E.M., ed, [1973, 403p., rus] 39-446
- Present state of floristic studies in the Soviet Arctic. Tolmachev, A.I., et al, [1973, p.162-164, rus] 39-448
- Arctic mosses of the USSR. Abramov, I.I., et al, [1973, p.174-176, rus] 39-449
- Mobility of lichen compounds from *Gladonia mitis* in arctic soils. Dawson, H.J., et al, [1984, p.40-45, eng] 39-454
- Vegetation of the northeastern slope of the Rarytkin Range (Chukotskiy Peninsula). Mironenko, O.N., [1984, p.16-17, rus] 39-508
- Position of western Altai in the system of highland belts. Ogureeva, G.N., et al, [1984, p.21-22, rus] 39-510
- Extrazonal vegetation in the Byrranga Mountains (Arctic Taymyr Peninsula). Rapota, V.V., [1984, p.27-28, rus] 39-511
- High altitude flora of Ural Mountains. Gorchakovskii, P.L., [1984, p.53-54, rus] 39-518
- Altitudinal distribution of Alpine tundra plants. Kuvaev, V.B., [1984, p.62-63, rus] 39-521
- Flora of the Monche tundra. Syroid, N.A., [1984, p.78-79, rus] 39-524
- Ecologic and physiological characteristics of Arctic and Subarctic tundra plants. Maslova, T.G., et al, [1984, p.90-91, rus] 39-525
- Compiling a statistical model of tundra, taking as an example the hummocky and spotty tundras of Taymyr Peninsula. Khramtsov, V.N., et al, [1984, p.104-105, rus] 39-527
- Engineering-geologic maps of northern Alaska, Barrow quadrangle. Williams, J.R., et al, [1984, 38p., eng] 39-542
- Contemporary eolian sediments in the alpine zone, Colorado Front Range. Thorn, C.E., et al, [1980, p.162-171, eng] 39-657
- Tundra plants of the Chukotskiy Peninsula. Razzhivin, V.I.U., [1984, p.1001-1009, rus] 39-669
- Role of extreme natural processes in the development of coastal landscapes of the Sea of Okhotsk. Stepanova, L.E., [1984, p.49-53, rus] 39-671
- Tundra plant communities in Yamal Peninsula. Vil'chek, G.E., [1984, p.67-71, rus] 39-797
- Radiation balance of typical terrain units in the low Arctic. Rouse, W.R., et al, [1983, p.538-549, eng] 39-863
- Changes in Arctic tussock tundra thirteen years after fire. Fetcher, N., et al, [1984, p.1332-1333, eng] 39-886
- Arctic environmental quality. Brown, W.Y., [1984, p.178-198, eng] 39-1015
- Chemical analyses of soils and other surficial materials, Alaska. Gough, L.P., et al, [1984, 77p., eng] 39-1137
- Oil spills: damage and recovery in tundra and taiga. Linkins, A.E., et al, [1984, p.135-155, eng] 39-1180
- Prudhoe Bay field oil and gas production facilities. Swyter, J.P., [1982, p.202-206, eng] 39-1245
- Environmental mapping of the Arctic National Wildlife Refuge, Alaska. Walker, D.A., et al, [1982, 59p., + 2 maps, eng] 39-1274
- Biogenic accumulation of nitrogen in plants of tundra zone (exemplified by the ecosystems of Bol'shezemel'skaya tundra). Grunina, L.K., et al, [1984, 32p., rus] 39-1396
- Pine forests of northern Europe. Ziabchenko, S.S., [1984, 247p., rus] 39-1443
- Proceedings: Resources and dynamics of the boreal zone. [1983, 544p., eng] 39-1517
- Bioclimatology of boreal forest ecosystems. Gerardin, V., et al, [1983, p.52-69, eng] 39-1518
- Long-term effects of off-road vehicle traffic on tundra terrain. Abele, G., et al, [1984, p.283-294, eng] 39-1586
- Revegetation of eroded soils in western Siberia. Moskalenko, N.G., [1984, p.147-154, eng] 39-1655
- Energy balance of tundra, sea surface, glaciers and forests in Arctic. Ohmura, A., [1984, p.221-228, eng] 39-1732
- Military operations in northern regions according to non-Soviet military publications. Sergeev, A., [1984, p.80-82, rus] 39-1838
- Cryogenic phenomena in landscape types of Kamchatka Peninsula. Bykasov, V.E., [1977, p.196-202, rus] 39-1906
- Combined satellite surveys of Siberia. IAnshin, A.L., ed, [1984, 96p., rus] 39-1972
- Satellite surveys of different climatic zones. Ziat'kova, L.K., [1984, p.71-79, rus] 39-1973
- Interview with official of the Soviet ministry of the petroleum industry. Kliuchnikova, L.P., [1985, p.6-8, rus] 39-2025
- Development of the Yamburg gas field and environmental protection. Zakharov, I.U.F., [1985, p.8-9, rus] 39-2026
- Social and housing conditions in the Yamburg gas field. Asenkov, V.I., [1985, p.11, rus] 39-2029
- Methods of accelerated construction of pipeline systems from western Siberia. Shabanov, P.P., [1985, p.14-15, rus] 39-2030
- Hydrogeological conditions of the non-chemozem zone of the R.S.F.S.R. Kulikov, G.V., [1983, 338p., rus] 39-2070
- Petroleum exploration and protection of the environment on the National Petroleum Reserve in Alaska. Brewer, M.C., [1984, p.133-134, eng] 39-2143
- Terrain sensitivity and recovery in arctic regions. Webber, P.J., [1984, p.135-136, eng] 39-2144
- Growth and development of Arctic plants. Tyrtikov, A.P., [1984, p.86-97, rus] 39-2187
- Northern ecology and resource management. Olson, R., ed, [1984, 438p., eng] 39-2262
- Snow and living things. Pruitt, W.O., Jr., [1984, p.51-77, eng] 39-2266
- Tundra plant communities of the Mackenzie Mountains, Northwest Territories: floristic characteristics of long-term surface disturbances. Kershaw, G.P., [1984, p.239-309, eng] 39-2268
- Some terrain and land-use problems associated with exploratory wellsites, Northern Yukon Territory. French, H.M., [1984, p.365-385, eng] 39-2270
- Soil microflora during the revegetation of uncovered soils of different mechanical composition in Taymyr tundras. Parinkina, O.M., [1985, p.29-35, rus] 39-2336
- Lower plants under extreme climatic conditions. Martin, J., ed, [1984, 224p., rus] 39-2367
- Problem of extremity in the ecology of cryptogamic plants. Martin, I.U.L., [1984, p.9-19, rus] 39-2368
- Initial revegetation stages of bare ground in southern tundras of the Taymyr Peninsula. Plin, T.Kh., et al, [1984, p.20-50, rus] 39-2369
- Terricolous lichens of southern tundras in Taymyr. Plin, T.Kh., [1984, p.134-172, rus] 39-2371
- Dwarf-pine forests in the Magadan region. Panchenko, T.M., [1985, p.67-76, rus] 39-2458
- Shrubs, mosses and lichens of Taymyr tundras. Sekretareva, N.A., [1984, p.1640-1641, rus] 39-2460
- Vegetation of western Siberia and its mapping. Belov, A.V., ed, [1984, 120p., rus] 39-2573
- Geobotanical and cartographic studies in western Siberia. Belov, A.V., et al, [1984, p.3-6, rus] 39-2574
- Zonal subdivision of tundra vegetation in the West Siberian Plain. Mel'tser, L.I., [1984, p.7-19, rus] 39-2575
- All-Union conference on adaptation of organisms to the Arctic environment. Tallin, Nov. 27-30, 1984. Proceedings. [1984, 212p., rus] 39-2639
- Adaptation of meadow plants in tundra zones. Zankha, L.L., [1984, p.53-58, rus] 39-2646
- Adaptive aspects of antecology of tundra plants. Kalgorodova, M.S., [1984, p.69-72, rus] 39-2649
- Adaptive peculiarities of soil microorganisms in the Arctic. Parinkina, O.M., [1984, p.125-129, rus] 39-2654
- Adaptation of lichens to Arctic conditions. Plin, T.Kh., [1984, p.130-135, rus] 39-2655
- Vegetation of the Chukotskiy Peninsula. Razzhivin, V.I.U., [1984, p.155-159, rus] 39-2659
- Photosynthetic productivity and carbohydrate accumulation of grasses in tundra agrocenoses. Shvetsova, V.M., et al, [1984, p.197-201, rus] 39-2664
- Arctic tundra plants of Franz Josef Land and Wrangel Island. Shukhtina, G.O., et al, [1984, p.201-207, rus] 39-2665
- Plant adaptation to the environments of polar forestless regions. IUrtaev, B.A., [1984, p.207-212, rus] 39-2666
- Proceedings. Tree-line ecology. [1983, 188p., eng] 39-2669
- Comparing local floras of the Chukotskiy Peninsula. Kozhevnikov, I.U.P., [1985, p.314-321, rus] 39-2983
- Photosynthesis of Arctic herbaceous plants. Kisliuk, I.M., et al, [1985, p.169-179, rus] 39-2984
- Primary productivity of Taymyr tundras. Pospelova, E.B., et al, [1985, p.188-198, rus] 39-2985
- Summer wetlands in the frozen north. Everett, K.R., [1983, p.510-515, eng] 39-3002
- Origin of nival vegetation of the Asiatic part of the Bering Sea area. Razzhivin, V.I.U., [1984, p.22-31, rus] 39-3005
- Individual design method for small river hydrographs in eastern Siberia. Petenkov, A.V., [1985, p.123-133, rus] 39-3016
- Biological recultivation of technical wastes in the Far North. Kur'min, I.U.I., [1985, p.21-24, rus] 39-3106
- Living tundra. Chernov, I.U.I., [1985, 213p., eng] 39-3270
- Dynamics of forest ecosystems in the Subarctic. Plotnikov, V.V., [1984, 128p., rus] 39-3344
- Soil-landscape relations in northern Alaska. Everett, K.R., [1981, 357p., eng] 39-3511
- Modern and Holocene environments of the North Slope of Alaska. Wilson, M.J., [1984, 253p., eng] 39-3558
- Ecosystems affected by technology; their organization and functioning. Titianova, A.A., ed, [1985, 136p., rus] 39-3625
- Prospects for the development of northern landscapes affected by human activities. Solov'eva, O.V., [1984, p.31-35, rus] 39-3689
- Argentine and Chilean tundra between parallels 51 and 56 S. Roig, F.A., [1984, p.174-196, spa] 39-3949
- Small capacity boarding schools for the North. Kiselev, V.M., [1985, 132p., rus] 39-4658
- See also: Alpine tundra; Forest tundra
- Tunneling (excavation)
- Construction of hydraulic tunnels in the Far North. Zimin, L.B., et al, [1984, p.33-34, rus] 39-161
- Low cost road tunnel developments in Norway. Grønhaug, A., [1983, p.31-37, eng] 39-316
- Hydrogeological forecasts for construction under severe climatic conditions. Sotnikov, A.B., [1984, 81p., rus] 39-891
- Mechanization of tunneling. Kogan, V.Z., [1984, p.22-25, rus] 39-1169
- Tunnels of the BAM. Bessolov, V.A., et al, [1984, p.38-44, rus] 39-1410
- Role of field observations in bridging the gap between theory and practice. Jones, R.H., [1984, p.49-54, eng] 39-3414
- Concrete used in construction of the Baykal tunnel. Kasapov, R.I., et al, [1984, p.17-19, rus] 39-3876
- Tunnels
- Results of geological-geophysical studies of eastern Siberia in 1976-1980. Finneker, E.V., ed, [1982, 136p., rus] 39-32
- Surveys of earthquake areas in permafrost zones. Pavlov, O.V., et al, [1982, p.63-67, rus] 39-33
- Spraying concrete lining on tunnel walls in freezing weather. Mishin, V.V., [1984, p.25-27, rus] 39-160
- Field dielectric measurements of frozen silt using VHF pulses. Arcone, S.A., et al, [1984, p.29-37, eng] 39-329
- Electrification of the western section of the BAM. Morits, E.I.A., [1984, p.15-16, rus] 39-1165
- Baykal Amur railroad: the first decade. Aganbegian, A.G., ed, [1984, 208p., rus] 39-1408
- Baykal Amur railroad at the last stage of construction. Mokhortov, K.V., [1984, p.29-38, rus] 39-1409
- Tunnels of the BAM. Bessolov, V.A., et al, [1984, p.38-44, rus] 39-1410
- Temperature effects on tunnel linings. Sil'vestrov, S., et al, [1984, p.10-11, rus] 39-1562
- Construction of tunnels. Fodorov, G.A., [1984, p.13-15, rus] 39-1642
- Protecting the Transcaucasian highway from snow avalanches. Zalikhanov, M.Ch., et al, [1984, p.30-33, rus] 39-1703
- Thermal state and stability of tunnel in Tumengela coalmine, Xizang. Li, S., et al, [1980, p.46-50, chi] 39-3701
- See also: Railroad tunnels
- Turbidity
- Discontinuous turbidity currents and power snow avalanches. Fukushima, Y., et al, [1984, p.839-842, eng] 39-109
- See also: Visibility
- Turbulence
- Short wavelength signals propagating through rain, snow and turbid media. Kazovsky, L.G., et al, [1983, p.706-710, eng] 39-1066
- Turbulent boundary layer
- Turbulent fluxes in the surface layer of the atmosphere. Timokhov, L.A., [1984, p.181-190, eng] 39-703
- Turbulent exchange
- Vertical turbulent exchange in estuaries beneath ice cover, during high tides. Debo'skii, V.K., et al, [1984, p.279-290, rus] 39-890
- Turbulent flow
- Eddy at the edge of the East Greenland Current. Smith, D.C., IV, et al, [1984, p.8205-8208, eng] 39-218
- Air-ice drag coefficients for first-year sea ice derived from aircraft measurements. Walter, B.A., et al, [1984, p.3550-3560, eng] 39-257
- International Symposium on River Sedimentation, 2nd. 1983. [1983, 1150p., chi] 39-274
- Melting rates in turbulent recirculating flow systems. Szekely, J., et al, [1984, p.1116-1121, eng] 39-402
- Analysis of river ice resistance from measured velocity profiles. Davar, K.S., et al, [1984, p.349-358, eng] 39-1782
- Turbidity currents in a glacial lake. Weirich, F.H., [1984, p.384-387, eng] 39-2479
- Transverse mixing characteristics of open and ice-covered channel flows. Engmann, E.O., [1974, 267p., eng] 39-2552
- Freezing in a pipe with turbulent flow. Albert, M.R., et al, [1983, p.102-112, eng] 39-3963

- Heat transfer and boundary-layer laws in turbulent flows. Nitsche, W., et al. (1983, p.707-717, eng) 39-3968
- Turf**
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—**Taurus**
Geomorphology of glaciers and karst of Dedegöl Dag. Turkey. Delannoy, J.J., et al. (1983, p.45-53, fre) 39-2469
- Ultrasonic tests**
Brillouin scattering from H₂O: liquid, ice VI, and ice VII. Polian, A., et al. (1983, p.6409-6412, eng) 39-1063
Determination of compressive strength of sea ice by using an ultrasonic pulse. Sacki, H., et al. (1984, p.130-148, eng) 39-815
Laboratory and field evaluation of an ultrasonic distance meter for measurement of snow surface profiles. Pinchak, A.C., et al. (1985, p.70-74, eng) 39-2398
Ultrasonic velocities and crystalline anisotropy in ice core. Herron, S.L., et al. (1985, p.23-31, eng) 39-3563
- Ultraviolet radiation**
Optical constants of ice from the ultraviolet to the microwave. Warren, S.G. (1984, p.1206-1225, eng) 39-1445
- Underground facilities**
"Wall in the ground" at subzero temperatures. Iakimov, E.A. (1984, p.15-16, rus) 39-939
Detection of buried utilities. Bigl, S.R., et al. (1984, 36p., eng) 39-2918
Sources and factors of paludification of upbuilt areas in the town of Novosibirsk. Gospodinov, D.G. (1985, p.70-76, rus) 39-3621
Protecting foundations of buildings and structures from adverse effects of ground water. Degtiarev, B.M., et al. (1985, 264p., rus) 39-3702
High pressure jet technology used in construction. Mosin, V.D. (1984, p.189-192, eng) 39-3811
- Underground ice**
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- Underground pipelines**
Hydraulic tests of oil pipelines in freezing weather. Furman, A.V. (1984, p.79-85, rus) 39-424
Analyses of stresses developed in pipelines buried in freezing ground. (1984, 59p., eng) 39-566
Heat losses from underground pipelines. Bau, H.H. (1984, p.2047-2056, eng) 39-1744
Formation of ice in underground water lines. Karaush, S.A. (1984, p.102-105, rus) 39-2074
Heat transfer between soil, thermal insulation and underground pipes. Tikhomirov, A.L., et al. (1984, p.113-115, rus) 39-2075
Radar investigations above the trans-Alaska pipeline near Fairbanks. Arcone, S.A., et al. (1984, 15p., eng) 39-2098
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Hot-oil and chilled-gas pipeline interaction with permafrost. Mathews, A.C. (1984, p.101-105, eng) 39-2137
Performance of the trans-Alaska oil pipeline. Johnson, E.R. (1984, p.109-111, eng) 39-2139
Thermal interaction between pipelines and the environment. Krivoshein, B.L. (1984, p.242-247, eng) 39-2165
Pipelines and frost heave. (1984, 75p., eng) 39-3038
Behaviour of soils in the Arctic. Blanchard, D., et al. (1984, p.27-30, eng) 39-3042
Bending stresses in pipe due to frost heave. Bowes, W.H. (1984, p.31-33, eng) 39-3043
Soil-pipeline interaction: a review of the problem. Kettle, R.J. (1984, p.35-37, eng) 39-3044
Caen pipeline experiment: first year of results. Ladanyi, B., et al. (1984, p.39-42, eng) 39-3045
Frost heave and thaw settlement test facilities. Carlson, L.E. (1984, p.43-47, eng) 39-3046
Soil freezing and test conditions. McCabe, E.Y., et al. (1984, p.49-53, eng) 39-3047
Method for predicting frost heave of buried pipelines. Nixon, J.F. (1984, p.55-59, eng) 39-3048
Mitigative and remedial measures for chilled pipelines in discontinuous permafrost. Sayles, F.H. (1984, p.61-62, eng) 39-3049
The industrial problem. Raulin, P. (1984, p.67, eng) 39-3051
Review of pipeline construction in western Siberia. Kuramin, V.P., et al. (1985, 50p., rus) 39-3101
Risk assessment of sea bottom scouring using fuzzy set theory. Thiel, C.C., Jr., et al. (1985, p.430-438, eng) 39-3192
Route thaw settlement: a probabilistic evaluation. Vita, C.L. (1985, p.439-446, eng) 39-3193
Effects of external loadings on large-diameter buried pipelines. Thomas, H.P., et al. (1985, p.754-762, eng) 39-3220
Soil-pipe interaction during ground movement. Selvadurai, A.P.S. (1985, p.763-773, eng) 39-3221
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- Stability of main pipelines built under complicated conditions. Klement'ev, A.F. (1985, 113p., rus) 39-3314
- Underground storage**
Blasting of earth in the construction of main pipelines and underground storages. Globa, V.M. (1984, 239p., rus) 39-1356
Theoretical bases of engineering geology. Physico-chemical bases. Sergeev, E.M., ed. (1985, 288p., rus) 39-3692
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- Underice**
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- Underwater acoustics**
Scientific and engineering studies: underwater acoustics in the Arctic. (1984, var.p., eng) 39-940
Underwater Sound Laboratory's Arctic research program, 1958-1962. Wilson, D.P., et al. (1984, 37p., eng) 39-941
TRISTEN/FRAM II cruise report, East Arctic, April 1980. DiNapoli, F.R., et al. (1984, 24p., eng) 39-942
FRAM II single channel ambient noise statistics. Dwyer, R.F. (1984, 29p., eng) 39-943
Acoustic problems. Dwyer, R.F. (1984, 2p., eng) 39-944
Under ice ambient noise measurement. Dwyer, R.F. (1984, 15p., eng) 39-945
Evaluation of Arctic transmission loss models. Deavenport, R.L., et al. (1984, 21p., eng) 39-946
Ray-mode equivalence in the Arctic sound channel. Mellen, R.H. (1984, 20p., eng) 39-947
TRISTEN/FRAM IV CW spatial coherence and temporal stability. DiNapoli, F.R., et al. (1984, 22p., eng) 39-948
TRISTEN/FRAM IV Arctic ambient noise measurements. Nielsen, R.J., et al. (1984, 12p., eng) 39-949
Underwater acoustics in the Arctic Ocean. Mellen, R.H., et al. (1984, 6p., eng) 39-950
Arctic marine acoustics. Kutschale, H.W. (1984, 229p., eng) 39-2831
Sound and the sea. Kliukin, I.I. (1984, 145p., rus) 39-3590
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Migration of ore elements in cryolithozones. Vagner, B.B. (1984, p.85-89, rus) 39-749
Aquatic plant growth in relation to temperature and unfrozen water content. Palazzo, A.J., et al. (1984, 8p., eng) 39-804
Laboratory studies of cryometamorphism of brines. Alekseev, S.V. (1984, p.158-159, rus) 39-922
Effect of loading on the unfrozen water content of silt. Oliphant, J.L., et al. (1983, 17p., eng) 39-1370
Measuring the liquid water content of snow. Marbouty, D., et al. (1985, 30p., fre) 39-1722
Physicochemical nature of the formation of unfrozen water in frozen soils. Akimov, I.U.P., et al. (1984, p.195-199, eng) 39-2155
Unfrozen water content in saline soils. Patterson, D.E., et al. (1985, p.95-101, eng) 39-2487
Unfrozen water content in freezing soils. Patterson, D.E. (1980, 69p., eng) 39-2687
Investigation of freezing soils using Time Domain Reflectometry. Smith, M.W., et al. (1981, 54p., eng) 39-2704
Effects of salt on unfrozen water content in silt, Lanzhou, China. Tice, A.R., et al. (1984, 18p., eng) 39-2916
Soil freezing and frost heaving at the Caen experiment. Smith, M.W. (1984, p.19-21, eng) 39-3040
Cryosphere and cryopoles of the Earth and planets. Tolstikhin, N.I. (1985, p.13-21, rus) 39-3353
Adsorption modification method of increasing ice formation temperature. Nechaev, E.A., et al. (1985, p.99-107, rus) 39-3360
Relation of surface-electrical properties to ion mobility in permafrost. Romanov, V.P. (1985, p.107-115, rus) 39-3361
Factors affecting the length of detonation impulse in frozen ground. Silin, V.S., et al. (1984, p.130-136, rus) 39-3396
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- United Kingdom**
—**Cairngorm Mountains**
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Monthly data 1951-80 normals: snowfall data for selected co-op stations. (1981, 52 fiches, eng) 39-3464
- Alaska**
Mobility of lichen compounds from *Gladonia mitis* in arctic soils. Dawson, H.J., et al. (1984, p.40-45, eng) 39-454
Storm surge climatology and forecasting in Alaska. Wise, J.L., et al. (1981, 26p. + append., eng) 39-536
Oil and gas-fired heat generation systems in Alaska, Vols. 1 and 2. Johnson, R., (1983, 2 vols., eng) 39-558
Highway pavement condition inventory in Alaska. Brawner, A., (1984, 2p., eng) 39-733
United States Arctic interests: the 1980s and 1990s. Westermeyer, W.E., ed. (1984, 369p., eng) 39-1012
Chemical analyses of soils and other surficial materials. Alaska. Gough, L.P., et al. (1984, 77p., eng) 39-1137
Process industries in Alaska. Downey, R.J. (1982, p.196-198, eng) 39-1244
Seasonal patterns of nitrogen mineralization following harvesting in the white spruce forests of interior Alaska. Gordon, A.M., et al. (1983, p.119-130, eng) 39-1521
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Data generated from Alaskan hydropower development. Bredthauer, S.R., et al. (1983, p.6(1)-6(32), eng) 39-2443
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Catalog of hydroclimological data for Alaska's coastal zone. Carlson, R.F., et al. (1982, c58p., eng) 39-2637
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United States (cont.)

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Icy August -84. Biriukov, E., [1985, p.23, 28, rus] 39-3534
- Yenisey River**
Changes in natural conditions induced by human activities. Saks, V.N., ed, [1984, 176p., rus] 39-1415
Reforestation in the southern taiga subzone. Koropachinski, I.U., ed, [1983, 125p., rus] 39-3066
Estimation of artificial reforestation quality in the Bel'shemurinskiy Forestry. Vital'ev, A.P., et al, [1983, p.31-40, rus] 39-3068
- Zalyskiy Alatau**
Oblique radio-echo sounding of glacier ice. Epov, A.B., [1984, p.165-174, rus] 39-2784
- Utilities**
Oil and gas-fired heat generation systems in Alaska. Vols. 1 and 2. Johnson, R., [1983, 2 vols., eng] 39-558
Provision of utilities and services for single-family housing areas. Gunderson, P., [1984, p.3-31, nor] 39-734
McGill Axel Heiberg Station with an inventory as of June 1983. Adams, P., [1984, 7p. + appends., eng] 39-953
Power plant installation manual for Australian antarctic stations. [1981, n.p., eng] 39-2190
Proposal for rebuilding Australian antarctic stations. [1981, 24p. + attachments, eng] 39-2191
Manual for Australian antarctic utilities, bridges, and supports. [1982, var. p., eng] 39-2230
Cold country gas utility. Geske, L., [1984, p.28-33, eng] 39-2482
Proceedings of the 3rd Symposium on Antarctic Logistics, 1982. [1983, 634p. in 3 vols., eng] 39-2591
Rebuilding of Australia's 3 antarctic stations, Parts 1-3. Gosbell, K.B., et al, [1983, p.214-273, eng] 39-2616
Technical concepts of the antarctic stations Georg-Von-Neumayer and Filchner of the Federal Republic of Germany. Mannhardt, S., [1983, p.338-347, eng] 39-2622
Scott Base rebuilding programme. Varcoe, G., [1983, p.399-405, eng] 39-2627
Detection of buried utilities. Bigl, S.R., et al, [1984, 36p., eng] 39-2918
- Valleys**
Estimating avalanche damage to slopes and valley bottoms. Kozhaev, D.A., [1984, p.35-37, rus] 39-292
Calculating total glacier ablation. Kononov, V.G., [1984, p.92-98, rus] 39-639
- Peculiarities of segetal vegetation in Central Yakutia. Sleptsova, N.P., [1984, p.1070-1073, rus] 39-670
Studying permafrost outcrops in the Kolyma River valley. Murzin, I.U.A., et al, [1984, p.119-127, rus] 39-649
Using parabolas to describe the cross-sections of glaciated valleys. Wheeler, D.A., [1984, p.391-394, eng] 39-1018
Winter regime in valleys of the Amur River region. Surova, N.A., [1977, p.135-155, rus] 39-1902
Vegetation of western Siberia and its mapping. Belov, A.V., ed, [1984, 120p., rus] 39-2573
Economic development of the lower Irtysh River valley. Druzhinina, N.P., et al, [1984, p.50-76, rus] 39-2577
Combined mapping technique for snow distribution in mountains. Ivanovskaya, T.E., [1984, p.44-56, rus] 39-2767
Climatic maps of mountain glaciers of the world. Davidovich, N.V., [1984, p.68-80, rus] 39-2770
Surges of the Muzgazy Glacier. Desinov, L.V., [1984, p.145-146, rus] 39-2780
Relations between snow accumulation on glaciers and in valleys. Gus'kov, A.S., et al, [1984, p.185-188, rus] 39-2788
Permafrost phenomena in the Chara River basin. Krendele, F.P., et al, [1985, p.53-82, rus] 39-3596
Formation of gullies in the Novosibirsk area. Petrova, N.I., [1985, p.60-69, rus] 39-3620
- Vapor**
See: Water vapor
Vapor diffusion
Isotopic diffusion in cold snow and firm. Whillans, I.M., et al, [1985, p.3910-3918, eng] 39-2989
Vapor pressure
Vapor pressures of supercooled H₂O and D₂O. Kraus, G.F., et al, [1984, p.4781-4786, eng] 39-1583
Evaporation on Hintereisferner. Kaiser, G., [1983, p.149-162, eng] 39-1965
Vapor pressure of water over supercooled liquid water. Detwiler, A., [1983, p.503-504, eng] 39-2080
Thermodynamic properties of water in the supercooled region. Leyendekkers, J.V., et al, [1985, p.1440-1453, eng] 39-2509
Vapor transfer
Vertical water vapor migration in snow. Dziuba, V.V., [1984, p.55-65, rus] 39-296
Mathematical model of gas hydrate formation. Biliushov, V.M., [1984, p.46-52, eng] 39-351
Model for dry snow metamorphism by interparticle vapor flux. Gubler, H., [1985, p.8081-8092, eng] 39-4007
- Vegetation**
Climatic changes, cirque glaciers and vegetation, Norway. Larsen, E., et al, [1984, p.137-160, eng] 39-717
Microthermal observations in Arctic vegetation. Hansen, K., [1973, 32p., eng] 39-952
Landsat based mapping of snow and vegetation cover. Hawes, D.B., [1984, var. p. + 2 maps, eng] 39-1143
Terrestrial plant biology of the sub-Antarctic and Antarctic. Smith, R.I.L., [1984, p.61-162, eng] 39-1183
Remote-sensing satellite in polar orbit. [1983, 209p., eng] 39-1234
Airborne laser systems for remote sensing of vegetation. Kanevskii, V.A., et al, [1984, p.137-139, rus] 39-1497
Classification and ordination of forest ecosystems in the Great Claybelt of northeastern Ontario. Jones, R.K., et al, [1983, p.83-96, eng] 39-1520
Glossary of landscape and vegetation ecology for Alaska. Gabriel, H.W., et al, [1984, 137p., eng] 39-1575
Northern ecology and resource management. Olson, R., ed, [1984, 438p., eng] 39-2262
Soil development in NW Canada and ecological relationships. Pettapiece, W.W., [1984, p.3-17, eng] 39-2263
Deflation measurements of Hietatievat, Finnish Lapland, 1974-77. Seppala, M., [1984, p.39-49, eng] 39-2265
Implications of upstream impoundment on the natural ecology and environment of the Slave River Delta, Northwest Territories. English, M.C., [1984, p.311-339, eng] 39-2269
Some terrain and land-use problems associated with exploratory wellbores, Northern Yukon Territory. French, H.M., [1984, p.365-385, eng] 39-2270
Lichen-free zones as neoglaciation indicators on western Melville Island, District of Franklin. Edlund, S.A., [1985, p.709-712, eng] 39-2335
All-Union conference on adaptation of organisms to the Arctic environment, Tallin, Nov. 27-30, 1984. Proceedings. [1984, 212p., rus] 39-2639
Adaptation of agricultural plants to Arctic conditions. Zhurov, V.K., et al, [1984, p.49-53, rus] 39-2645
Carbon dioxide exchange of plants in the Khibiny Mountains. Luk'yanova, L.M., [1984, p.88-95, rus] 39-2650
Structural pattern in alpine tundra vegetation. Welden, C., [1985, p.120-134, eng] 39-2797
History of vegetational cover in northern Asia. Malyshov, L.I., ed, [1984, 161p., rus] 39-3083
Bank erosion, vegetation and permafrost, Tanana River near Fairbanks. Gatto, L.W., [1984, 53p., eng] 39-3030
Albedo of a dissipating snow cover. Robinson, D.A., et al, [1984, p.1626-1634, eng] 39-3142

Vegetation (cont.)

- Rare bog plants in the northwestern RSFSR and the organization of their protection. Boch, M.S., (1985, p.688-697, rus) 39-3728

See also specific types of vegetation

Vegetation factors

- Principles of interception process model during a winter season. Gutry-Korycka, M., (1984, p.4.1-4.37, eng) 39-1291

Vegetation pattern

- Biomass of high-altitude plants in Altai-Sayany mountains. Sedelnikov, V.P., (1985, p.87-91, rus) 39-3014

Vegetation patterns

- Bryo-lichenological studies of high-altitude regions and the northern USSR. Shliakov, R.N., ed. (1981, 125p., rus) 39-55

- Rare moss species in the bryoflora of Karelia. Volkova, L.A., (1981, p.29-31, rus) 39-61

- Hepatic mosses of the Taymyr Peninsula. Zhukova, A.L., (1981, p.42-43, rus) 39-64

- Mosses associated with mountain snowfields. Ulychna, K.O., (1981, p.55-57, rus) 39-68

- High altitude musci of the Khangay Range. Tsegmed, Ts., (1981, p.58-61, rus) 39-69

- Taxonomic structure of mossy plants in the Murmanak region. Shliakov, R.N., et al. (1981, p.64-67, rus) 39-70

- Problems in studying lichens of the Far North. Trass, Kh.Kh., (1981, p.68-70, rus) 39-71

- Problems in studying lichen synusia of the Arctic. Trass, Kh.Kh., (1981, p.70-72, rus) 39-72

- Lichens in the Arctic tundras of the Yamal Peninsula. Andreev, M.P., (1981, p.75-76, rus) 39-73

- Lichens of the western Sayan. Kravchuk, S.V., (1981, p.90-92, rus) 39-74

- Lichen flora of the Caucasus. Novruzov, V.S., (1981, p.102-104, rus) 39-77

- Structure of lichen biomass in tundras of the Northeast. Polezhaev, A.N., (1981, p.109-110, rus) 39-79

- Role of lichens in rubbly tundras of the Sangien highlands (Tuva). Sedelnikova, N.V., (1981, p.110-112, rus) 39-80

- Floristic belts in mountains of the Putorana Plateau. Ukhacheva, V.N., et al. (1984, p.753-761, rus) 39-115

- Vegetation patterns of Alpine tundra on the Putorana plateau. Chastukhina, S.A., (1984, p.39-40, rus) 39-515

- Tundra vegetation on the Putorana plateau. Chastukhina, S.A., (1984, p.41-42, rus) 39-516

- Vegetation of Alpine tundra and rock streams. Belkina, O.A., (1984, p.45-46, rus) 39-517

- High altitude flora of Ural Mountains. Gorchakovskii, P.L., (1984, p.53-54, rus) 39-518

- Communities of Arctic and Alpine plants on Pamirs. Ikonnikov, S.S., et al. (1984, p.57-58, rus) 39-519

- Floristic saturation in the Alpine tundra communities of the Khibiny Mountains. Konstantinova, N.A., (1984, p.61-62, rus) 39-520

- Floristic bonds between Arctic islands of the USSR and high plateaus. Maksimova, M.I., (1984, p.66-67, rus) 39-522

- Flora of the Monche tundra. Syroid, N.A., (1984, p.78-79, rus) 39-524

- Rational utilization of vegetational cover of the Far North. Filipova, L.N., (1984, p.102-103, rus) 39-526

- Compiling a statistical model of tundra, taking as an example the hummocky and spotty tundras of Taymyr Peninsula. Khramtsov, V.N., et al. (1984, p.104-105, rus) 39-527

- Snow as a factor in salt desert shrub vegetation. West, N.E., et al. (1983, p.376-379, eng) 39-1353

- Aerial and satellite surveys of Siberian forests. Isacov, A.S., (1984, p.3-5, rus) 39-1481

- Compiling geobotanical map of northern taiga. Paiankaia-Gvozdeva, I.I., (1984, p.59-60, rus) 39-1491

- Hydrothermal structure of landscapes in the Kingan-Bureya lowland. Kolomyta, E.G., (1977, p.19-76, rus) 39-1899

- Slope processes in the continental part of the Far East. Korotkii, A.M., et al. (1977, p.122-133, rus) 39-1901

- Life of plants under extreme high-mountain conditions (exemplified by Central Caucasus). Nakhutsrishvili, G.Sh., et al. (1984, 123p., rus) 39-2040

- East Pamir high mountain plants. Novozhilova, N.N., (1984, p.1502-2509, rus) 39-2184

- Growth and development of Arctic plants. Tyrtikov, A.P., (1984, p.86-97, rus) 39-2187

- Lichens on bald areas of the Badzhai Range. Randlane, T.V., (1984, p.120-133, rus) 39-2370

- Terricolous lichens of southern tundras in Taymyr. Pihl, T.Kh., (1984, p.134-172, rus) 39-2371

- Vegetation of western Siberia and its mapping. Belov, A.V., ed. (1984, 120p., rus) 39-2573

- Zonal subdivision of tundra vegetation in the West Siberian Plain. Mel'tser, L.I., (1984, p.7-19, rus) 39-2575

- Economic development of the lower Irtys River valley. Drushinina, N.P., et al. (1984, p.50-76, rus) 39-2577

- Phytocenoses of northern bogs. Kustova, N.V., (1984, p.76-106, rus) 39-2578

Geobotanical analysis of taiga for large-scale mapping.

- Kobeleva, N.V., (1984, p.106-119, rus) 39-2579

- Modeling water regime of raised bogs. Rusetskias, I.U.I.U., (1984, p.90-95, rus) 39-2588

- Plant adaptations and structure of Arctic plant communities. Matveeva, N.V., (1984, p.101-107, rus) 39-2652

- Vegetation of the Chukotskiy Peninsula. Razzhivin, V.I.U., (1984, p.155-159, rus) 39-2659

- Primary productivity of Taymyr tundras. Pospelova, E.B., et al. (1985, p.188-198, rus) 39-2985

- Summer wetlands in the frozen north. Everett, K.R., (1983, p.510-515, eng) 39-3002

- Arctic and alpine types of flora of the Sikhote-Alin'. Kharkevich, S.S., et al. (1984, p.5-21, rus) 39-3004

- Origin of nival vegetation of the Asiatic part of the Bering Sea area. Razzhivin, V.I.U., (1984, p.22-31, rus) 39-3005

- Migration of Arctic plant species to the Far East. Shlotgauer, S.D., (1984, p.32-41, rus) 39-3006

- Historical trends in vegetation zonality of the Central Siberian Plateau. Vodopianova, N.S., (1984, p.93-106, rus) 39-3008

- Subdividing the BAM zone vegetation according to geobotanical maps. Kobeleva, N.V., et al. (1985, p.120-125, rus) 39-3015

- Morpholithosystems and landscape structure (exemplified by the Omolon River basin). Egorova, G.N., (1983, 164p., rus) 39-3092

- Lichen areas of the alpine belt of the Caucasus. Onipchenko, V.G., (1985, p.59-66, rus) 39-3293

- Forest-growing properties of soils on the Yenisey Range. Gorbachev, V.N., et al. (1985, p.3-9, rus) 39-3294

- Alpine-meadow soils of the northern Caucasus. Makarov, M.I., (1985, p.71-73, rus) 39-3306

- Vegetation pattern and ecology of siliceous boulder snow beds on Svalbard. Elvebak, A., (1984, p.9-20, eng) 39-3373

- Vegetation of Siberia (the areas east and west of Lake Baykal). Peshkova, G.A., (1985, 145p., rus) 39-3381

- Flora of altitudinal belts in Pamirs. Ukhacheva, V.N., (1984, p.64-69, rus) 39-3547

- Peat bogs, their natural and economic significance. Pivachenko, N.I., (1985, 152p., rus) 39-3592

- Permafrost phenomena in the Chara River basin. Krendeliev, F.P., et al. (1985, p.53-82, rus) 39-3596

- Climate changes in a spruce stand in northern Quebec. Payette, S., et al. (1985, p.125-138, eng) 39-3889

- Macquarie Island: a wind-molded natural landscape in the Subantarctic. Löffler, E., (1984, p.267-286, eng) 39-4056

- Vehicle wheels

- Predicting wheeled vehicle motion resistance in shallow snow. Blaisdell, G.L., (1981, 18p., eng) 39-872

- Vehicles

- Specification guide for snow removal vehicles for rail transit systems. King, C., et al. (1983, 165p., eng) 39-539

- Heaters for vehicles and aircraft in Arctic environments. (1981, c100p., eng) 39-569

- Winter research. (1982, p.59-65, eng) 39-951

- Conferences 1961 to 1981; bibliography. (1984, 165p., eng) 39-2840

- Present states and technical trends of unmanned underwater vehicles. Aoki, T., (1984, p.4-17, jpn) 39-3033

- Development and operation of ROVs. Talkington, H.R., (1985, p.297-304, eng) 39-3676

- Effect of different factors on car speeds on rural roads. Sweden. Kolsrud, B., (1984, 36p., swe) 39-3797

- Deicer composition. Duane, J.J., et al. (1963, 6 col., eng) 39-3828

- Deicing apparatus. Liardi, V.L., (1970, 4 col., eng) 39-3837

- Porous metal panel to distribute deicing fluid onto the leading edge of a surface. Nichols, G.L., (1971, 4 col., + figs., eng) 39-3842

- See also specific types of vehicles

- Vein ice

- See: Ice veins

- Velocity

- P and S waves in rocks near Showa Station. Yukutake, H., et al. (1984, p.17-27, eng) 39-1087

- East Greenland polar front in autumn. Paquette, R.G., et al. (1985, p.4866-4882, eng) 39-3432

- See also: Seismic velocity; Wind velocity

- Velocity measurement

- Ablation and ice movement at the Allan Hills Main Icefield between 1978 and 1981. Schultz, L., et al. (1984, p.17-22, eng) 39-1242

- Characteristics of drifting snow at Mizuho Station in 1982. Takahashi, S., et al. (1984, p.122-131, eng) 39-3454

- Ventilation

- New design concept for Halley Station. Smith, A., (1983, p.316-325, eng) 39-2620

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- See: Profiles

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- See: Cold weather survival

Vibration

- Ice sheet vibration due to the movement of a cylindrical structure. Luk, C.H., (1984, p.160-168, eng) 39-83

- Wind-induced vibration of aboveground Arctic pipelines. Hanegger, D.G., et al. (1985, p.646-652, eng) 39-2386

- Fatigue damage of suspended oil pipelines due to wind in the Arctic. Honegger, D.G., et al. (1985, p.49-53, eng) 39-4049

- Viscoelastic materials

- Improved non-linear model for ice. Szyzskowski, W., et al. (1984, p.1032-1035, eng) 39-111

- Viscoelastic approach to the ice load evaluation. Kajaste-Rudnitski, J., et al. (1985, 23p. + appends., eng) 39-3690

- Viscoelasticity

- Single integral representations in ice mechanics. Williams, H.T., (1984, p.89-95, eng) 39-334

- Analysis of the viscoelastic fracture toughness and crack growth in ice. Hamza, H., et al. (1984, p.249-258, eng) 39-401

- Viscoelastic buckling of beams and plates on elastic foundation. Sjöland, S.-G., (1984, p.63-72, eng) 39-1756

- Numerical algorithm to predict the visco-elastic response of ice under different loading conditions. Hamza, H., (1985, p.177-185, eng) 39-2411

- Winter ice forces on large offshore structures. Hamza, H., (1985, p.286-293, eng) 39-2426

- Creep properties of ice: theory and experiment. Vinogradov, A.M., (1985, p.447-455, eng) 39-3194

- Viscosity

- Analysis of linear sea ice models with an ice margin. Leppäranta, M., (1984, p.31-36, eng) 39-365

- Rheology of polar ice. Libbourny, L., (1983, p.787-790, fre) 39-650

- Viscous flow

- Thermodynamic model of creep at constant stress and constant strain rate. Fish, A.M., (1984, p.143-161, eng) 39-339

- Theoretical basis for obtaining friable ice. Smorygin, G.I., (1984, 157p., rus) 39-1154

- Basic investigations on mush ice. Hellmann, J.-H., (1984, p.37-55, eng) 39-3469

- Visibility

- Whiteout. Grant, R.S., (1984, p.54-57, eng) 39-627

- Suppression of ice fog from the Fort Wainwright, Alaska, cooling pond. Walker, K.E., et al. (1982, 34p., eng) 39-1729

- Explosive obscuration sub-test results at the SNOW-TWO field experiment. Ebersole, J.F., et al. (1984, p.347-354, eng) 39-2973

- Visibility climatology of McMurdo Sound/Williams Field, Antarctica. Souder, C.G., (1984, 149p., eng) 39-3349

- Mass flux and visibility observed by snow particle counter. Ishimoto, K., et al. (1984, p.104-112, eng) 39-3452

- Characteristics of drifting snow at Mizuho Station in 1982. Takahashi, S., et al. (1984, p.122-131, eng) 39-3454

- See also: Turbidity

- Vitreous ice

- Formation of anisotropic ice-agar composites by directional freezing. Tong, H., et al. (1984, p.589-595, eng) 39-2064

- Vitrification of pure liquid water by high pressure jet freezing. Mayer, E., et al. (1982, p.715-718, eng) 39-2210

- Volcanic ash

- Ice layers in the extrusive and sedimentary rocks of the Kamchatka Peninsula. Zhuruev, S.P., (1984, p.144-149, rus) 39-852

- Quaternary paleoclimatology. Methods of paleoclimatic reconstruction. Bradley, R.S., (1985, 472p., eng) 39-2885

- Dirt layers and volcanic glass in the bare ice areas of Queen Maud Land and Victoria Land. Nishio, M., et al. (1984, p.160-173, eng) 39-3459

- Composition of dirt layers in the bare ice areas of Queen Maud Land and Victoria Land. Katsushima, T., et al. (1984, p.174-187, eng) 39-3460

- Volcanoes

- Observations of volcanic tremor at Mount St. Helens volcano. Fehler, M., (1984, p.3476-3484, eng) 39-325

- Subglacial volcanism in north-central British Columbia and Iceland. Allen, C.C., et al. (1982, p.699-715, eng) 39-766

- Volcanic deformation studies—Mt. Erebus. Scott, B., et al. (1985, p.20-23, eng) 39-3865

- Volume

- See: Ice volume

- Walls

- Calculating heat transfer through walls. Moskalev, A.S., et al. (1984, p.102-105, rus) 39-134

- Heat losses related to structures of heaters. Ral'chuk, N.T., (1984, p.105-109, rus) 39-135

- Requirements for modular buildings in the North.** Kazantsev, I.A., et al, [1984, p.12, rus] 39-791
- Shungite-cellular concrete for the North.** IAsin, I.U.D., et al, [1984, p.15-16, rus] 39-792
- Wall panels for buildings in continental climates.** Tsimbler, V.G., et al, [1984, p.24-25, rus] 39-793
- Construction of large panel buildings.** Rozanov, N.P., [1982, 224p., rus] 39-870
- Thermal insulation for northern oil fields.** Shaposhnikov, V.I.A., et al, [1984, p.45-47, rus] 39-1036
- Casey domestic building, Vol.1.** [1982, var. p., eng] 39-2229
- Laboratory studies of ice pressure on well casings.** Kuznetsov, V.G., et al, [1985, p.11-13, rus] 39-3300
- Calculating heat transfer between reservoir walls and outside media.** Sobolev, I.U.V., et al, [1985, p.9-12, rus] 39-3750
- Transient creep of frozen soil beams.** Klein, J., [1982, p.975-981, eng] 39-4062
- Warning systems**
- Modernized radio alarm systems for mudflows.** Abramov, A.I., et al, [1984, p.122-126, rus] 39-464
- Improved radio alarm systems for mudflows.** Abramov, A.I., et al, [1984, p.126-130, rus] 39-465
- Aircraft icing forecast and associated warning services.** Pass, R.P., [1984, var. p., eng] 39-543
- See also: Monitors**
- Waste disposal**
- Climatic bases of regional urban planning and construction in Siberia.** Pivkin, V.M., [1984, 260p., rus] 39-1364
- Environmental protection around nuclear facilities.** Shiriaev, F.Z., et al, [1982, 201p., rus] 39-1389
- Waste disposal at Australian antarctic stations.** Holmes, I.E.B., et al, [1984, p.308-315, eng] 39-2346
- New design concept for Halley Station.** Smith, A., [1983, p.316-325, eng] 39-2620
- Technical concepts of the antarctic stations Georg-Von-Neumayer and Filchner of the Federal Republic of Germany.** Mannhardt, S., [1983, p.338-347, eng] 39-2622
- Safer, more practical and comfortable Chilean bases.** Araya F., M., et al, [1983, p.366-381, eng] 39-2625
- Oilspill response technology for the Arctic.** Shafer, R.V., [1985, p.354-361, eng] 39-3185
- Water supply and waste disposal in Greenland and Antarctica.** Reed, S.C., et al, [1985, p.344-350, eng] 39-4025
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- See: Heat recovery**
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- Nitrogen behavior in soils irrigated with liquid waste.** Selim, H.M., et al, [1984, p.96-108, eng] 39-234
- Sludge dewatering by freezing.** Cheng, C.-Y., et al, [1970, p.1145-1147, eng] 39-279
- Nitrogen removal in wastewater ponds.** Reed, S.C., [1984, 26p., eng] 39-386
- Cold climate facultative lagoons.** Tilsworth, T., et al, [1984, p.542-555, eng] 39-879
- Domestic waste treatment in the Canadian Arctic.** [1981, 115p., eng] 39-1229
- Heat pumps to recover heat from waste treatment plants.** Martel, C.J., et al, [1982, 23p., eng] 39-1259
- Cold region wastewater lagoon sludge.** Schneider, R.W., [1982, 441p., eng] 39-1404
- Social and housing conditions in the Yamburg gas field.** Asenkov, V.I., [1985, p.11, rus] 39-2029
- Arctic research needs in civil engineering.** Haneman, V., ed, [1985, 199p., eng] 39-3715
- See also: Sewage treatment**
- Wastes**
- Use of industrial waste materials in road construction.** Mironov, A.A., et al, [1984, p.3-4, rus] 39-1309
- Environmental impact of the Kaa-Achinsk Fuel and Energy Complex.** Grudinin, G.V., [1984, p.132-142, rus] 39-3348
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- Water**
- Repeated nucleation of supercooled water sample.** Wang, M.K., et al, [1984, p.23-29, eng] 39-599
- Water and aqueous solutions.** Horne, R.A., ed, [1972, 837p., eng] 39-803
- Oriental correlation parameter in ice VI.** Johari, G.P., et al, [1980, p.3201-3205, eng] 39-1149
- Horizontal infiltration of water in porous materials.** Nakano, Y., [1982, p.156-166, eng] 39-1937
- Vapor pressure of water over supercooled liquid water.** Derwiler, A., [1983, p.503-504, eng] 39-2000
- Water air interactions**
- See: Air water interactions**
- Water balance**
- Hydrology of a drainage basin in the Canadian high Arctic.** Woo, M., [1983, p.577-596, eng] 39-866
- Water and mass balance measurements in glacierised drainage basins.** Collins, D.N., [1984, p.197-214, eng] 39-2583
- Dependence of precipitation on altitude.** Lang, H., [1983, p.149-158, ger] 39-3001
- Water chemistry**
- Results of geological-geophysical studies of eastern Siberia in 1976-1980.** Pinneker, E.V., ed, [1982, 136p., rus] 39-32
- Formation and geological activity of ground waters in eastern Siberia.** Pinneker, E.V., et al, [1982, p.105-112, rus] 39-35
- Ice nucleation in supercooled water.** Vonnegut, B., et al, [1984, p.486-490, eng] 39-599
- Isotope hydrology and hydrochemistry of Lake Unter-See.** Hermichen, W.-D., et al, [1984, p.75-86, eng] 39-128
- Solute acquisition in glacial melt waters. I. Fjallajökull (south-east Iceland): bulk melt waters with closed-system characteristics.** Raiswell, R., et al, [1984, p.35-43, eng] 39-240
- Solute acquisition in glacial melt waters. II. Argentiére (French Alps): bulk melt waters with open-system characteristics.** Thomas, A.G., et al, [1984, p.44-48, eng] 39-241
- Chemical models of solute acquisition in glacial melt waters.** Raiswell, R., [1984, p.49-57, eng] 39-242
- Field pH determinations in glacial melt waters.** Metcalf, R.C., [1984, p.106-111, eng] 39-248
- Natural salt extracts and their value for prospecting in permafrost areas.** Kokin, A.V., [1984, p.37-44, rus] 39-317
- Changes in permafrost induced by construction.** Akparisova, G.V., [1984, p.16-26, rus] 39-410
- Geochemical surveys in taiga.** Lomonosov, I.S., et al, [1983, p.50-61, rus] 39-467
- Chemical-biological indication of water masses in the Chukchi Sea.** Ryzhov, V.M., et al, [1984, p.26-40, rus] 39-471
- Equipment for determining salt composition of sea ice.** Pivovarov, S.V., et al, [1984, p.113-119, rus] 39-473
- Hydrochemistry of rivers and lakes in the Buryat ASSR.** Oboshin, V.N., et al, [1984, 151p., rus] 39-482
- Spring runoff from an agricultural watershed.** Nicholaichuk, W., et al, [1983, p.412-414, eng] 39-622
- Seawater.** Park, P.K., [1972, p.245-264, eng] 39-809
- Hydrochemistry of ice in thermokarst lakes.** Shesterkin, V.P., [1984, p.137-143, rus] 39-851
- Extracting uranium from sea water using iceberg drift.** Nishiyama, T., [1984, p.184-186, eng] 39-1092
- Marine environment.** Foster, T.D., [1984, p.345-371, eng] 39-1187
- Landscape geochemistry of northern Siberia.** Perel'man, A.I., et al, [1984, p.18-26, rus] 39-1192
- Using mobile elements in search for deeply buried ore bodies.** Vinokurov, I.P., et al, [1984, p.73-79, rus] 39-1199
- Soils and geological conditions of the Nечernozem'e.** Sergeev, E.M., ed, [1984, 608p., rus] 39-1424
- Macro- and microelement composition of snow as an index of the polluting effect of an alumina combine.** Dronin, N.M., [1984, p.66-67, rus] 39-1428
- Snow pollution by industrial wastes.** Uchvatov, V.P., et al, [1984, p.198-200, rus] 39-1433
- Physico-chemical processes in freezing fines.** Ershov, E.D., [1984, p.129-136, rus] 39-1440
- Glaciers and rock glaciers in the southern French Alps.** Evin, M., et al, [1983, p.27-41, fre] 39-1631
- Late winter chlorophyll a distributions in the Weddell Sea.** Marra, J., et al, [1984, p.197-205, eng] 39-1826
- Migration of elements in water in taiga-permafrost landscapes.** Makarov, V.N., [1984, p.253-258, eng] 39-2167
- Anthropogenic chlorofluoromethanes in the central Arctic Ocean.** Wallace, D.W.R., et al, [1985, p.1155-1166, eng] 39-2366
- Influence of ice formation on hydrochemical regime of streams.** Amiraliev, N.A., et al, [1984, p.64-76, rus] 39-2379
- Iron in surface and subsurface waters, Grizzly Bear, southeastern Alaska.** Hoskin, C.M., et al, [1972, 15p., eng] 39-2633
- Plankton in the ice of the Ross Sea.** Smith, W.O., et al, [1985, p.163-166, eng] 39-3140
- Roadway salting effects on snowmelt water quality.** Berg, N.H., et al, [1984, p.237-246, eng] 39-3291
- Thermohaline circulation in the Arctic mediterranean seas.** Aagaard, K., et al, [1985, p.4833-4846, eng] 39-3430
- East Greenland polar front in autumn.** Paquette, R.G., et al, [1985, p.4866-4882, eng] 39-3432
- Isotopic composition of water and ice during freezing.** Souchez, R.A., et al, [1984, p.369-372, eng] 39-3790
- Water content**
- Core drilling of Vernagtferner, Austrian Alps.** Oerter, H., et al, [1983, p.1-11, eng] 39-43
- Quantitative estimation of loess sagging.** Minkov, M., [1984, p.58-65, rus] 39-1438
- Influence of grain-size constituent on frost heave in fine sand.** Wang, Z., [1980, p.24-28, chi] 39-3697
- See also: Snow water content; Unfrozen water content**
- Water erosion**
- Drumlin formation related to inverted melt-water erosional marks.** Shaw, J., [1983, p.461-479, eng] 39-206
- Systematic unequal dissection of opposing valley sides.** Lieblich, R.S., et al, [1983, p.512-514, eng] 39-213
- Environmental protection in northern river basins.** Belotserkovskii, M.I.U., et al, [1984, p.3-9, rus] 39-579
- Effects of snow jams on fluvial activities in the High Arctic.** Woo, M., et al, [1981, p.83-98, eng] 39-658
- Thermal erosion in permafrost areas.** Krapachev, A.V., et al, [1984, p.65-70, rus] 39-841
- Questions about glacial traces in the Tanzhesi area in Beijing.** Li, H., et al, [1984, p.77-82, chi] 39-1543
- Water films**
- Stability of sheet water flow under a glacier.** Weertman, J., et al, [1983, p.374-382, eng] 39-199
- Migration of ore elements in cryolithozones.** Vagner, B.B., [1984, p.85-89, rus] 39-749
- Compressibility of cohesive soils.** Lysenko, M.P., [1984, p.9-14, rus] 39-1306
- Water flow**
- Modeling the freezing process of slush-bearing rivers.** Abramov, N.M., [1984, 100p., rus] 39-53
- Stability of sheet water flow under a glacier.** Weertman, J., et al, [1983, p.374-382, eng] 39-199
- Eddy at the edge of the East Greenland Current.** Smith, D.C., IV, et al, [1984, p.8205-8208, eng] 39-218
- Ice formation between two cooled parallel plates.** Seki, N., et al, [1984, p.498-505, eng] 39-232
- Melting rates in turbulent recirculating flow systems.** Szekely, J., et al, [1984, p.1116-1121, eng] 39-602
- Low-temperature effects on flow in sand-bed streams.** Hong, R., et al, [1984, p.109-125, eng] 39-612
- Tailwater flow conditions.** Ferrick, M.G., et al, [1983, 31p., eng] 39-1252
- Measurement and modelling of freshwater plumes under an ice cover.** Freeman, N.G.S., [1982, n.p., eng] 39-1446
- Freezing and blocking of water pipes.** Carey, K.L., [1982, 11p., eng] 39-2093
- Northeast extension of glacial Lake McConnell in the Dease River Basin, District of Mackenzie.** St-Onge, D.A., et al, [1985, p.181-186, eng] 39-2328
- Hydraulic conveying of snow: IV. Flow pattern of snow/water mixture in straight pipes.** Shirakashi, M., et al, [1984, p.163-170, jpn] 39-2473
- Hydraulic conveying of snow: V. The influence of several factors on the pressure drop of a snow/water mixture flowing in a straight pipe.** Shirakashi, M., et al, [1984, p.171-178, jpn] 39-2474
- Freezing mechanism in some solidification problems.** Cheng, K.C., et al, [1982, p.497-502, eng] 39-3263
- Diffusivity of horizontal water flow through porous media.** Nakano, Y., [1985, p.26-31, eng] 39-3379
- Frazil concentration measurement in the laboratory and in the field.** Tsang, G., [1984, p.99-111, eng] 39-3474
- Heat and water movement in a partially frozen soil.** Hornung, U., [1983, p.162-170, eng] 39-3966
- Water freezing**
- See: Ice formation**
- Water ice interface**
- See: Ice water interface**
- Water intakes**
- Productivity of water-intakes from taliks beneath rivers.** Turutin, B.F., et al, [1984, p.109-112, rus] 39-425
- Modeling intake performance under frazil ice conditions.** Dean, A.M., Jr., [1984, p.559-563, eng] 39-616
- Design of Arctic waterflood intake structures.** Cox, J.C., et al, [1985, p.135-142, eng] 39-2406
- Arctic sea water intake for sedimentation and wave effects.** Cox, J.C., et al, [1985, p.714-722, eng] 39-3217
- Water jets**
- See: Hydraulic jets**
- Water level**
- Drainage of a marginal ice-dammed lake in S. Greenland.** Clement, P., [1984, p.209-216, eng] 39-719
- Hydrology and glaciology of the dry valleys, 1980-81.** Chinn, T.J., et al, [1983, 64p., eng] 39-1206
- Winter rating curves and ice volume limited water levels.** Lavender, S.T., [1984, p.279-294, eng] 39-1468
- Anchor ice effects on water levels in Lake St. Louis St. Lawrence River at Montreal.** Parkinson, F.E., [1984, p.345-370, eng] 39-1471
- Anchor ice in Lachine Rapids, results of observations and analysis.** Marcotte, N., [1984, p.151-160, eng] 39-1764
- Backwater profiles on hydroelectric reservoir with ice cover.** Majewski, W., [1984, p.255-264, eng] 39-1774
- LaGrande River a full scale ice hydraulics laboratory.** Drouin, M., et al, [1984, p.277-290, eng] 39-1776
- Extraction of piles by repeated water-level fluctuations.** Thunbo Christensen, F., et al, [1984, p.111-121, eng] 39-1797
- Effect of ice cover on hydropower production.** Yapa, P.D., et al, [1984, p.231-234, eng] 39-3096
- Experimental research of frost heave under different level of groundwater in various soils.** Wang, S., [1980, p.40-45, chi] 39-3700
- Great Lakes hydrologic forecast models.** Gauthier, R.L., et al, [1985, p.1129-1140, eng] 39-3706
- Correlation between iceberg draft and above water dimensions.** El-Tahan, M., et al, [1985, p.130-147, eng] 39-3760
- See also: Sea level; Water table**

Water pipelines

- Materials and design of technical equipment for the North. Urzhumtsev, I.U.S., ed. (1984, 85p., rus) 39-1112
- Assembly for testing plastic pipes by internal hydrostatic pressure. Gol'daktrakh, I.Z., et al. (1984, p.71-74, rus) 39-1117
- Formation of ice in underground water lines. Karaush, S.A., (1984, p.102-105, rus) 39-2074
- Heat transfer between soil, thermal insulation and underground pipes. Tikhomirov, A.L., et al. (1984, p.113-115, rus) 39-2075
- Freezing mechanism in some solidification problems. Cheng, K.C., et al. (1982, p.497-502, eng) 39-3263

Water pipes

- Modeling intake performance under frazil ice conditions. Dean, A.M., Jr., (1984, p.559-563, eng) 39-616
- Hydraulic conveying of snow: IV. Flow pattern of snow/water mixture in straight pipes. Shirakashi, M., et al. (1984, p.163-170, jpn) 39-2473
- Hydraulic conveying of snow: V. The influence of several factors on the pressure drop of a snow/water mixture flowing in a straight pipe. Shirakashi, M., et al. (1984, p.171-178, jpn) 39-2474

Water pollution

- Model for pollutant concentrations during snow-melt. Hibberd, S., (1984, p.58-65, eng) 39-243
- Oil spill elimination by bacteria. Potapova, M.I., et al. (1984, p.68-74, rus) 39-472
- Biological activity of soil in the Far North under conditions of air pollution with industrial wastes. Evdokimova, G.A., et al. (1984, 121p., rus) 39-486
- Fate of DDTs, PCBs and chlorinated compounds in the antarctic marine ecosystem. Hidaka, H., et al. (1984, p.151-161, eng) 39-1070
- Limnology of Lake Koocanusa, MT, the 1967-1972 study. Bonde, T.J.H., et al. (1982, 184p., eng) 39-1260
- Impact of snowmelt-runoff from agricultural watersheds on dissolved oxygen. Sullivan, J.F., (1983, p.170-177, eng) 39-1348
- Climatic bases of regional urban planning and construction in Siberia. Pivkin, V.M., (1984, 260p., rus) 39-1364
- Barite from drilling fluids in the Beaufort Sea. Macdonald, R.W., (1984, p.29-49, eng) 39-1825
- Role of Siberian water in hydroeconomics of the USSR. Druzhinin, I.P., et al. (1984, p.165-176, rus) 39-2353
- Oil pollution in the Antarctic. Thomson, R.B., (1983, p.523-535, eng) 39-2628
- Neutron-activation technique of analyzing snow precipitation for monitoring microelement flux from the atmosphere into Lake Baykal. Vetrov, V.A., et al. (1985, p.211-218, rus) 39-3077
- Microorganism survival in an ice-covered river. Putz, G., et al. (1984, p.177-186, eng) 39-3372
- Antarctic marine environments and offshore oil. Keys, J.R., (1984, 168p., eng) 39-3425
- Oscillations in the concentration of artificial radionuclides in the waters of the Baltic and North seas in 1977-1982. Styro, D.B., et al. (1985, p.835-838, eng) 39-3916
- Penetration of radioactive industrial waters from the North Sea into central regions of the Baltic. Vakulovskii, S.M., et al. (1985, p.631-633, eng) 39-3917

Water pressure

- Radio echo-sounding studies of englacial water movement in Variegated Glacier, Alaska. Jacobel, R., et al. (1984, p.22-29, eng) 39-238

Water purification

See: Water treatment

Water reserves

- Snow resources of the Pamir-Alay Mountains. Getker, M.I., (1984, p.27-37, rus) 39-633
- Importance of glaciers when planning water resources development or what happened to the glaciers in the period 1930-60. Lundquist, D., (1984, p.5.127-5.133, eng) 39-1300
- Permafrost and hydrogeological conditions of eastern Siberia. Shepelev, V.V., et al. (1984, 191p., rus) 39-1450
- Snow reserves distribution on mountain glaciers. Chertakov, P.A., et al. (1983, p.74-89, rus) 39-1922
- Formation of hydroeconomic balances in taiga zones. Prashchikov, A.V., (1984, p.146-150, rus) 39-2351
- Managing water resources for Alaska's development: proceedings. Aldrich, J.W., ed. (1983, var. p., eng) 39-2440
- Data generated from Alaskan hydropower development. Brodhauer, S.R., et al. (1983, p.6(1)-6(32), eng) 39-2443
- Alaska's water: a critical resource; proceedings. Brodhauer, S.R., ed. (1984, 218p., eng) 39-2445
- Impact of glaciers on long-term basin water yield. Brodhauer, S.R., et al. (1984, p.51-59, eng) 39-2447
- Catalog of hydroclimatology data for Alaska's coastal zone. Carlson, R.F., et al. (1982, c58p., eng) 39-2637
- Contribution of space observations to water resources management. (1980, 280p., eng) 39-3128
- Flow and water quality of Alaskan streams. Parks, B., et al. (1985, 64p., eng) 39-3417
- Water resources of the Chita region. Chechel', A.P., (1985, 97p., rus) 39-3510
- Soil water resources and water availability for plants. Budagovskii, A.I., (1985, p.3-13, rus) 39-3748

Water retention

- Principles of interception process model during a winter season. Gutry-Korycka, M., (1984, p.4.1-4.37, eng) 39-1291
- Application of simple snowmelt models in three different terrain types. Vehviläinen, B., et al. (1984, p.5.85-5.95, eng) 39-1297
- Design and performance of water-retaining embankments in permafrost. Sayles, F.H., (1984, p.31-42, eng) 39-2124

Water storage

- Earth dams on peat foundations. Shamshin, B.G., (1985, p.51-52, rus) 39-2731
- See also: Ice (water storage); Snow retention; Snow water equivalent; Water retention

Water structure

- Behavior of supercooled water. Hu, C.-K., (1983, p.1321-L326, eng) 39-556

Water supply

- Large-scale water transfers in the USSR. Kelly, P.M., et al. (1983, p.201-214, eng) 39-618
- Water supply review and snow survey summary, 1981-82 (Alta.). (1982, 25p. + append., eng) 39-1003
- Climatic bases of regional urban planning and construction in Siberia. Pivkin, V.M., (1984, 260p., rus) 39-1364
- Developing a water well for the ice backfilling of DYE-2. Rand, J.H., (1982, 19p., eng) 39-1730
- Social and housing conditions in the Yamburg gas field. Assenko, V.I., (1985, p.11, rus) 39-2029
- Construction of water reservoirs in taiga. Avakian, A.B., et al. (1984, p.64-78, rus) 39-2345
- Role of Siberian water in hydroeconomics of the USSR. Druzhinin, I.P., et al. (1984, p.165-176, rus) 39-2353
- New design concept for Halley Station. Smith, A., (1983, p.316-325, eng) 39-2620
- Technical concepts of the antarctic stations Georg-Von-Neumayer and Filchner of the Federal Republic of Germany. Mannhardt, S., (1983, p.338-347, eng) 39-2622

Water supply

- Safer, more practical and comfortable Chilean bases. Araya F., M., et al. (1983, p.366-381, eng) 39-2625
- Water resources of the Chita region. Chechel', A.P., (1985, 97p., rus) 39-3510
- Diverting Soviet rivers: some possible repercussions for the Arctic Ocean. Cattle, H., (1985, p.485-498, eng) 39-3867

- Summer water budget and its importance in the alpine tundra of Colorado. Greenland, D., et al. (1984, p.221-239, eng) 39-3893

- Water supply and waste disposal in Greenland and Antarctica. Reed, S.C., et al. (1985, p.344-350, eng) 39-4025

See also: Alimentation**Water table**

- Preventing the freezing of artesian wells. Ritus, V.I., et al. (1984, p.56-57, rus) 39-427
- Stresses in artificially frozen zones of mine shafts. Kazikaev, D.M., et al. (1984, p.11-13, rus) 39-824
- Hydrogeological forecasts for construction under severe climatic conditions. Sotnikov, A.B., (1984, 81p., rus) 39-891

Water temperature

- Calculating thermal emission of ice covers. Brekhovskikh, V.L., (1984, p.33-38, rus) 39-158
- Effect of temperature changes on salt transfer in ground water. Konosavskii, P.K., (1984, p.63-66, rus) 39-420

- Low-temperature effects on flow in sand-bed streams. Hong, R., et al. (1984, p.109-125, eng) 39-612

- Homogeneous nucleation rate for water. Hagen, D.E., et al. (1984, p.1416-1418, eng) 39-652

- Heat capacity of water near solid surfaces. Vučelić, V., et al. (1983, p.371-374, eng) 39-767

- Forecasting water temperature decline and freeze-up in rivers. Shen, H.T., et al. (1984, 17p., eng) 39-802

- Seawater. Park, P.K., (1972, p.245-264, eng) 39-809
- Analysis of winter heat flow in an ice-covered Arctic stream. Wankiewicz, A., (1984, p.430-443, eng) 39-875

- Subglacial heating of water in icebound lakes. Petrov, M.P., (1984, p.88-92, rus) 39-914

- Ocean currents and temperatures in the center of Fram Strait during MIZEX 83. Hunkins, K., (1984, p.47-51, eng) 39-1129

- Marine environment. Foster, T.D., (1984, p.345-371, eng) 39-1187

- Variability of atmospheric circulation at the surface of the South Pacific Ocean in summer. Loon, H. van, (1984, p.63-72, eng) 39-1500

- Present and future melting on antarctic ice shelves. Paterson, W.S.B., (1984, p.140-154, eng) 39-1506

- AGCM simulations of the modern antarctic climate. Schlesinger, M.E., (1984, p.155-196, eng) 39-1507

- Modeling the oceanic environment of West Antarctica. Semtner, A.J., Jr., (1984, p.197-211, eng) 39-1508

- Hydrographic investigations at the edge of the Filchner Ice Shelf. Rohardt, G., (1984, p.137-143, ger) 39-1610

- Laboratory experiments on frazil ice growth in supercooled water. Ettema, R., et al. (1984, p.43-58, eng) 39-1621

- Regularity of the freezing-up of the water surface and heat exchange between water body and water surface. Matoušek, V., (1984, p.187-200, eng) 39-1767

- Recent developments on mathematical modelling of winter thermal regime of rivers. Marcotte, N., (1984, p.201-210, eng) 39-1768

- Heat content in the surface layers of the Northern Hemisphere oceans. Laevastu, T., (1984, p.107-123, eng) 39-2052

- Thermodynamic properties of water in the supercooled region. Leyendekkers, J.V., et al. (1985, p.1440-1453, eng) 39-2509

- Climatic forcing: effects of El Niño on a small, temperate lake. Strub, P.T., et al. (1985, p.55-57, eng) 39-2684

- On the Bering Sea ice edge front. Muench, R.D., et al. (1985, p.3185-3197, eng) 39-2735

- Hydrography at the edge of Filchner Ice Shelf. Rohardt, G., et al. (1985, p.50-57, ger) 39-2885

- Thermohaline circulation in the Arctic mediterranean seas. Aagaard, K., et al. (1985, p.4833-4846, eng) 39-3430

- East Greenland polar front in autumn. Paquette, R.G., et al. (1985, p.4866-4882, eng) 39-3432

- Conditions of regelation of sea ice in the Arctic. Gorbunov, I.U.A., et al. (1984, p.23-31, eng) 39-3660

Water transport

- Peculiarities of year-to-year variations in water circulation in the Arctic Basin. Beliakov, L.N., et al. (1984, p.946-949, rus) 39-156

- Satellite techniques of studying ocean dynamics. Fedorov, K.N., (1984, p.3-13, rus) 39-157

- Problems of polar oceanology. Treshnikov, A.F., et al. (1984, p.38-53, rus) 39-1133

- Transport of water in frozen soil. Nakano, Y., et al. (1984, p.172-179, eng) 39-1719

- Role of heat and water transport in frost heaving of porous soils. Nakano, Y., et al. (1984, p.93-102, eng) 39-1936

- Effects of ice content on the transport of water in frozen soils. Nakano, Y., et al. (1984, p.28-34, eng) 39-1945

- Effects of ice content on the transport of water in frozen soil. Nakano, Y., et al. (1984, p.58-66, eng) 39-1946

- Study of sediment transport in Norwegian glacial rivers, 1969. Östrem, G., et al. (1973, 46p., eng) 39-2634

- Simulation of surface water transport. Guymon, G.L., (1972, 105p., eng) 39-2636

- Model of ocean currents in the Arctic Basin. Benzenman, V.I.U., (1984, p.92-101, eng) 39-3655

Water treatment

- Nitrogen behavior in soils irrigated with liquid waste. Selim, H.M., et al. (1984, p.96-108, eng) 39-234

- Dewatering aqueous suspensions by freeze-thaw technique. Baskerville, R.C., (1971, p.141-144, eng) 39-278

- Nitrogen removal in wastewater ponds. Reed, S.C., (1984, 26p., eng) 39-386

- Cold climate facultative lagoons. Tilsworth, T., et al. (1984, p.542-555, eng) 39-879

- Domestic waste treatment in the Canadian Arctic. (1981, 115p., eng) 39-1229

- Heat pumps to recover heat from waste treatment plants. Martel, C.J., et al. (1982, 23p., eng) 39-1259

- Direct filtration of streamborne glacial silt. Ross, M.D., et al. (1982, 17p., eng) 39-1272

- Cold region wastewater lagoon sludge. Schneider, R.W., (1982, 441p., eng) 39-1404

- Role of Siberian water in hydroeconomics of the USSR. Druzhinin, I.P., et al. (1984, p.165-176, rus) 39-2353

Water vapor

- Mathematical model of gas hydrate formation. Biliushov, V.M., (1984, p.46-52, eng) 39-351

- Vapor pressures of supercooled H₂O and D₂O. Kraus, G.F., et al. (1984, p.4781-4786, eng) 39-1583

- Morphology of ice crystals grown from vapor. Yamashita, A., et al. (1984, p.140-145, eng) 39-1736

Water waves

- Effects of snow and ice avalanches on lakes. Huber, A., (1984, 12p., ger) 39-1243

- Tailwater flow conditions. Ferrick, M.G., et al. (1983, 31p., eng) 39-1252

- Interaction between surface waves and a densely packed broken ice cover. Foltyn, E.P., et al. (1984, p.387-406, eng) 39-1473

- Analysis of rapidly varying flow in ice-covered rivers. Ferrick, M.G., (1984, p.359-368, eng) 39-1783

See also: Ocean waves**Waterproofing**

- Frost resistance of polymer-treated concretes. Kapkin, M.M., et al. (1984, p.11-12, rus) 39-355

- Effect of temperature changes on salt transfer in ground water. Konosavskii, P.K., (1984, p.63-66, rus) 39-420

- "Wall in the ground" at subzero temperatures. Iakimov, E.A., (1984, p.15-16, rus) 39-939

- Bearing capacity of pile foundations in sagging loess soils. Buslov, A.S., et al. (1983, 105p., rus) 39-1248

- Treatment of earth for filling water-imperious parts of dams. Bianov, G.F., et al. (1984, p.32-34, rus) 39-1589

- Thermal regime of loams in cores of dams in freezing weather. Kochubievskaja, R.L., et al. (1984, p.36-38, rus) 39-1991

- Construction of tunnels. Fedorov, G.A., et al, 1984, p.13-15, rus 39-1642
- Erecting pile-drivers on artificially frozen ground. Vialov, S.S., et al, 1984, p.7-10, rus 39-1830
- Controlling the state of artificially frozen fines. Tiutiunnik, P.M., et al, 1984, p.14-19, rus 39-1831
- Waterproofing mix in concrete for protecting bridges against corrosion. [1982, p.12, eng] 39-2727
- Watersheds**
- Lake Ontario basin (U.S.A.-Canada) runoff modeling. Croley, T.E., II, 1983, p.101-121, eng 39-564
- Spring runoff from an agricultural watershed. Nicholaichuk, W., et al, 1983, p.412-414, eng 39-622
- Thermal regime of rocks at watersheds in the Vilyuy area. Klimovskii, I.V., et al, 1984, p.83-90, rus 39-844
- Effects of snowmelt and logging on piezometric levels in watersheds. Megahan, W.F., 1984, p.1-8, eng 39-1938
- Models of snowmelt runoff. Sugawara, M., et al, 1984, p.187-236, jpn 39-1971
- Development of a conceptual hydrologic model for a sub-arctic watershed. Carlson, R.F., 1972, 58p., eng 39-2638
- Seasonal variations in water content of loess on watersheds. Shevchenko, A.A., et al, 1985, p.49-53, rus 39-3618
- Wave propagation**
- Blast waves in frozen soils. Liakhov, G.M., et al, 1984, p.811-815, eng 39-153
- Theoretical, laboratory, and field study of ice-coupled waves. Squire, V.A., 1984, p.8069-8079, eng 39-215
- Wave dispersion under ice cover. Arunachalam, V.M., et al, 1984, p.211-226, eng 39-228
- Measuring avalanche velocity. Bagov, M.M., et al, 1984, p.32-34, rus 39-291
- Internal wave forces on ice keels in the marginal ice zone: some preliminary laboratory results. Muench, R.D., et al, 1984, p.83-89, eng 39-373
- Radar propagation in brackish water with ice cover effect. Klein, K., et al, 1984, 123p., eng 39-532
- HF propagation over horizontally uniform first year sea ice. Klein, K., et al, 1983, 131p., eng 39-533
- Microwave emission from an irregular snow layer. Eom, H.J., et al, 1983, p.423-437, eng 39-731
- Pulse transmission through frozen silt. Arcone, S.A., 1984, 9p., eng 39-803
- Ray-mode equivalence in the Arctic sound channel. Mellen, R.H., 1984, 20p., eng 39-947
- TRISTEN/FRAM IV CW spatial coherence and temporal stability. DiNapoli, C., et al, 1984, 22p., eng 39-948
- TRISTEN/FRAM IV Arctic ambient noise measurements. Nielsen, R.J., et al, 1984, 12p., eng 39-949
- Seismic effect of detonating explosives in permafrost. Glotman, L.M., et al, 1984, p.40-45, rus 39-961
- P and S waves in rocks near Showa Station. Yukutake, H., et al, 1984, p.17-27, eng 39-1087
- Wave propagation in snow. Brown, R.L., et al, 1984, p.699-723, eng 39-1146
- Millimeter wave land clutter model. Currie, N.C., et al, 1982, p.385-389, eng 39-1148
- SNOW-ONE-B data report. Bates, R.E., ed, 1983, 284p., eng 39-1951
- Visible/IR transmission and meteorological data. Ben-Shalom, A., et al, 1983, p.89-153, eng 39-1954
- Millimeter wavelength radar propagation measurements at SNOW-ONE-B. Knox, J.E., et al, 1983, p.209-214, eng 39-1957
- Lidar measurements from the SNOW-ONE-B field experiment. DeLateur, S.A., et al, 1983, p.239-247, eng 39-1959
- SNOW-ONE-B ASL/SMART measurements. Hanley, S.T., et al, 1983, p.249-278, eng 39-1960
- Waves on glaciers. Fowler, A.C., 1982, p.283-321, eng 39-2235
- Interaction of waves with cylindrical bodies in ice-covered seas. Owen, D.G., et al, 1985, p.334-342, eng 39-2382
- Flexural and longitudinal elastic wave propagation theory applied to ice floe impact with sloping structures. Luk, C.H., 1985, p.260-270, eng 39-2423
- Flexural-gravity waves in an ice cover induced by a moving load. Khrapaty, N.G., et al, 1985, p.315-320, eng 39-2430
- Propagation of visible and infrared radiation by fog, rain, and snow. Winchester, L.W., Jr., et al, 1982, 97p., eng 39-2829
- Arctic marine acoustics. Kutschale, H.W., 1984, 229p., eng 39-2831
- Electromagnetic transmission in falling snow. Dyer, R.M., 1984, 33p., eng 39-2920
- Millimeter wave transmission fluctuations due to snow. Bohlander, R.A., et al, 1984, p.25-39, eng 39-2946
- Attenuation and backscatter for snow and sleet at 96, 140, and 225 GHz. Nemerich, J., et al, 1984, p.41-52, eng 39-2947
- SMART measurements at SNOW-TWO. Crow, S.B., et al, 1984, p.53-72, eng 39-2948
- Catalog of smoke/obscurant characterization instruments. O'Brien, H.W., et al, 1984, p.77-82, eng 39-2950
- Scattering properties of falling snow. Mill, J.D., et al, 1984, p.83-87, eng 39-2951
- Comparison of millimeter-wavelength snowcover reflectivity with snow surface properties. Williams, L.D., et al, 1984, p.193-200, eng 39-2961
- Forward-scattering corrected extinction by nonspherical particles. Bohren, C.F., et al, 1984, p.261-271, eng 39-2966
- Discrete reflections from thin layers of snow and ice. Jezek, K.C., et al, 1984, p.323-331, eng 39-2971
- Snow-Two/Smoke Week VI field experiment plan. Redfield, R.K., et al, 1984, 85p., eng 39-3031
- Influence of marginal ice cover on storm surges. Murty, T.S., et al, 1985, p.329-336, eng 39-3036
- Analysis of river wave types. Ferrick, M.G., 1985, p.209-220, eng 39-3098
- Surface wave reflection from periodic inhomogeneities at a liquid-solid interface. Lapin, A.D., 1978, p.376-382, rus 39-3880
- Scattering and reciprocal conversion of surface and bulk acoustic waves. Lapin, A.D., 1983, p.123-134, eng 39-3881
- Waves**
- See: Detonation waves; Elastic waves; Microwaves; Ocean waves; Radio waves; Shock waves; Sound waves; Water waves
- Weather**
- Weather effects of snow cover over NE Colorado. Johnson, R.H., et al, 1984, p.1141-1152, eng 39-1739
- See also: Meteorology
- Weather control**
- See: Cloud seeding; Weather modification
- Weather forecasting**
- Orographic snowfall rate model for Alta, Utah. Todd, S.K., et al, 1981, 11p., eng 39-1338
- Private forecaster's role in snow fighting. Myers, B.L., et al, 1982, p.54-55, eng 39-1665
- Frozen precipitation and weather. Munchen/Riem, West Germany. Biello, M.A., 1984, 47p., eng 39-1731
- Operational weather forecasting using weather satellite imagery in Antarctica. Foster, M.S., 1983, p.21-24, eng 39-2592
- Scientific/operational support to the Soviet Antarctic Expedition studies. Romanov, A.A., 1983, p.89-93, eng 39-2598
- Visibility climatology of McMurdo Sound/Williams Field, Antarctica. Souder, C.G., 1984, 149p., eng 39-3349
- Problems of the Arctic and Antarctic. Vol.51, 1977. Treshnikov, A.F., ed, 1984, 184p., eng 39-3643
- Short-range forecasting of ship icing. Tsvetukhin, A.S., 1984, p.1-9, eng 39-3644
- Formation of average monthly air temperatures during the period of winter cooling of the sea in the western part of the Arctic. Ivanov, V.V., 1984, p.33-41, eng 39-3648
- See also: Frost forecasting; Ice forecasting; Long range forecasting
- Weather maps**
- See: Meteorological charts
- Weather modification**
- Model studies on ice-forming aerosol generators used to seed clouds. Believ, S.P., et al, 1983, p.48-53, rus 39-588
- Cloud physics investigations. Cooper, W.A., et al, 1982, 135p., eng 39-1232
- Weather changes due to atmospheric seeding with ice-forming nuclei. Detwiler, A., et al, 1982, p.1045-1047, eng 39-2215
- See also: Climate control; Cloud seeding; Fog dispersal; Hail prevention
- Weather observations**
- Antarctic automatic weather stations, austral summer 1982-1983. Stearns, C.R., et al, 1983, p.245-246, eng 39-649
- Remote sensing of weather and climate parameters. Susskind, J., et al, 1984, p.4677-4697, eng 39-761
- NOAA environment satellites. Steggall, N., 1982, p.34-35, eng 39-1478
- Meteorological data at Mizuho Station in 1983. Narita, H., et al, 1985, 96p., eng 39-3273
- Visibility climatology of McMurdo Sound/Williams Field, Antarctica. Souder, C.G., 1984, 149p., eng 39-3349
- Great Lakes winter weather and ice conditions. Assel, R.A., et al, 1985, p.291-303, eng 39-3391
- Weather stations**
- Antarctic automatic weather stations, austral summer 1982-1983. Stearns, C.R., et al, 1983, p.245-246, eng 39-649
- Indian and Brazilian activities in the Antarctic. Kusunoki, K., 1984, p.49-51, jpn 39-2275
- Chilean antarctic deployment of automatic weather stations. Araya F., M., et al, 1983, p.39-68, eng 39-2594
- Weathering**
- Soil formation and weathering in the Far East. Ershov, I.U.I., 1984, 262p., rus 39-1153
- Peculiarities of formation of cryogenic halos and dispersion flows. Shvartsev, S.L., 1984, p.35-42, rus 39-1193
- Chemical weathering on the Vantage Point nunatak. Dixon, J.C., et al, 1984, p.111-131, eng 39-2676
- Mortar in historic buildings. Perander, T., et al, 1985, 48p. + append., fin 39-2839
- Temperature and transport of ground at a nivation site, N. Norway. Hall, K.J., 1985, p.27-37, eng 39-3587
- Weathering and soil development on Baffin Island. Locke, W.W., III, 1985, p.331-353, eng 39-3936
- See also: Frost weathering; Permafrost weathering
- Weddell Sea**
- Sea ice variations in the Weddell Sea. Glode, P., et al, 1983, p.195-199, eng 39-2612
- Welding**
- Steels and welds under loadings at low temperature. Urabe, N., et al, 1984, p.473-479, eng 39-1050
- API recommended practice for planning, designing, and constructing fixed offshore platforms. [1984, 115p., eng] 39-1384
- Embrittlement of welds. Solomon, H.D., 1983, p.525-599, eng 39-1448
- Some characteristics of welds in steels used in Arctic offshore structures and ships. Blakeley, P., et al, 1984, 16p. + figs., eng 39-1850
- Computer programs for controlling quality of construction. Palet, L.A., et al, 1985, p.15-17, rus 39-2225
- New high-toughness materials and large heat-input welding processes for offshore structures. Fukagawa, M., et al, 1985, p.373-380, eng 39-2436
- Technological strength of welded joints at low temperatures. Sleptsov, O.I., 1984, 102p., rus 39-2572
- Well casings**
- Preventing the freezing of artesian wells. Ritus, V.I., et al, 1984, p.56-57, rus 39-427
- Drilling and casing-off wells in permafrost regions. Bibliography. Panina, T.I., 1983, 45p., rus 39-1441
- Possible applications of foam cements in protecting the environment in connection with well drilling. Bakshutov, V., 1984, p.208-210, eng 39-2158
- Offshore permafrost well design lateral soil movement-induced bending strains. Laut, S.W., et al, 1985, p.47-51, eng 39-2394
- Response of piles and casings to horizontal free-field soil displacements. Byrne, P.M., et al, 1984, p.720-728, eng 39-3035
- Offshore permafrost well design lateral soil movement-induced bending strains. Laut, S.W., et al, 1985, p.195-198, eng 39-3289
- Influence of ice relaxation on crumpling of casing pipes. Griaznov, G.S., et al, 1984, p.24-25, rus 39-3304
- Laboratory studies of ice pressure on well casings. Kuznetsov, V.G., et al, 1985, p.11-13, rus 39-3308
- Peculiarities of casing crumpling in producing wells in the frozen rock interval. Medvedskii, R.I., et al, 1985, p.30-35, rus 39-3549
- Wells**
- Sand mining in swamps through boreholes. Latyshev, V., 1984, p.8-9, rus 39-224
- Preventing the freezing of artesian wells. Ritus, V.I., et al, 1984, p.56-57, rus 39-427
- Hydrogeological forecasts for construction under severe climatic conditions. Sotnikov, A.B., 1984, 81p., rus 39-891
- Developing a water well for the ice backfilling of DYE-2. Rand, J.H., 1982, 19p., eng 39-1730
- New approach to relief well drilling in the Canadian Beaufort Sea. Scott, W.A., et al, 1984, 45p., eng 39-1852
- Some terrain and land-use problems associated with exploratory well sites, Northern Yukon Territory. French, H.M., 1984, p.365-385, eng 39-2270
- Using low-density plugging solutions. Zeltser, P.I.A., et al, 1985, p.17-18, rus 39-3299
- Movement of a temperature front around a well. Sedov, V.T., 1984, p.19-21, rus 39-3303
- Laboratory studies of ice pressure on well casings. Kuznetsov, V.G., et al, 1985, p.11-13, rus 39-3308
- See also: Gas wells; Oil wells
- Wet snow**
- Freezing of meltwater in a snow cover. Marsh, P., et al, 1984, p.1853-1874, eng 39-1318
- Distribution of icing load over the USSR. Zakharov, A.G., 1984, p.87-93, rus 39-2376
- Icing regime of tall structures. Mytarev, M.N., 1984, p.94-103, rus 39-2377
- Hydraulic conveying of snow. IV. Flow pattern of snow/water mixture in straight pipes. Shirakashi, M., et al, 1984, p.163-170, jpn 39-2473
- Hydraulic conveying of snow. V. The influence of several factors on the pressure drop of a snow/water mixture flowing in a straight pipe. Shirakashi, M., et al, 1984, p.171-178, jpn 39-2474
- See also: Slush
- Wettability**
- Foundations built on loess. Anan'ev, V.P., 1984, p.3-8, rus 39-582
- Difficulties in construction on sagging soils. Goldshtein, M.N., 1984, p.9-10, rus 39-583
- Some peculiarities of loess soil wetting. Larionov, A.K., et al, 1984, p.11-23, rus 39-584

Wettability (cont.)

- Frost resistance of polymers. Starzhenskaya, T.A., et al, (1984, p.49-54, rus) 39-1113
- Quantitative estimation of loess sagging. Minkov, M., (1984, p.58-65, rus) 39-1438
- Wetting-and-blasting method of loess compaction. Takhirov, I.G., et al, (1985, p.63-66, rus) 39-1997

Wharves

- Ice action on Nanisivik wharf, winter 1979-1980. Frederking, R., et al, (1984, p.996-1003, eng) 39-2496

See also: Docks; Ice wharves; Piers

Whiteout

- Whiteout. Grant, R.S., (1984, p.54-57, eng) 39-627

Wind erosion

- Wind erosion in the Far North. Oriankil, V.V., et al, (1984, p.10-15, rus) 39-409
- Eolian processes in alpine belts of the High Tatra Mountains, Poland. Izmailov, B., (1984, p.143-151, eng) 39-501
- Environmental protection in northern river basins. Belotserkovskii, M.I.U., et al, (1984, p.3-9, rus) 39-579
- Deflation measurements of Hietatievat, Finnish Lapland, 1974-77. Seppälä, M., (1984, p.39-49, eng) 39-2265
- Snowdrift and forest lines on Mt. San Geronio, California. Minnich, R.A., (1984, p.395-412, eng) 39-2680

Wind factors

- Wind-driven ice drift in a shallow sea. Overland, J.E., et al, (1984, p.49-53, eng) 39-368
- Calculating wind-drift of sea ice. Romanov, V.F., (1984, p.191-206, eng) 39-704
- Improving power line strength under ice and wind loads. Usmanov, E.Kh., (1984, p.69-71, rus) 39-1307
- Wind-induced vibration of aboveground Arctic pipelines. Hanegger, D.G., et al, (1985, p.646-652, eng) 39-2386
- Wind velocities during ice-hoarfrost precipitation over the USSR. Borisenko, M.M., et al, (1984, p.205-209, rus) 39-2850
- Macquarie Island: a wind-molded natural landscape in the Subantarctic. Löffler, E., (1984, p.267-286, eng) 39-4056

Wind (meteorology)

- Near surface meteorological experiment at the Fichner ice front. Schaller, E., (1984, p.165-171, ger) 39-1614
- See also: Avalanche wind

Wind power generation

- Wind power generation in the Arctic. Sidorov, V.V., et al, (1984, p.32-34, rus) 39-1640

Wind pressure

- Vertical water vapor migration in snow. Dziuba, V.V., (1984, p.55-65, rus) 39-296
- Some simple concepts on wind forcing over the marginal ice zone. Tucker, W.B., (1984, p.43-48, eng) 39-367
- Reliability of overhead power lines and the calculation of standardized climatic loads. Golikov, B.F., (1984, p.52-55, rus) 39-1552
- Design of the cladding system for use on antarctic projects. (1984, 39p., eng) 39-2116
- Short-range forecast of zones of ice compression caused by wind drift of ice. Ivchenko, V.O., et al, (1984, p.10-17, eng) 39-3645
- Determining wind stress on ice cover surface. Appel, I.L., (1984, p.73-77, eng) 39-3653

Wind tunnels

- Comparison of snowdrift modeling criteria: commentary on "Application of Anno's modeling conditions to outdoor modeling of snowdrifts". Iversen, J.D., (1984, p.259-265, eng) 39-402
- Shedding of millimeter sized drops in simulated hail formation. Joe, P.I., (1982, n.p., eng) 39-2009
- Melting of spherical ice particles falling at terminal velocity in air. Rasmussen, R.M., (1982, 416p., eng) 39-2059
- Development of a snowdrift wind tunnel. Anno, Y., et al, (1985, p.153-161, eng) 39-2558
- Adhesion of rime and glaze on conductors protected by various materials. Phan, C.L., et al, (1977, p.204-208, eng) 39-2717
- Photography of transport rate effects in blowing sand and snow. Iversen, J.D., (1982, p.509-513, eng) 39-3265
- Wind-tunnel experiments of snowdrift formation at Showa Station. Tomabechi, T., et al, (1985, p.114-119, jpn) 39-3606

Wind velocity

- Air-ice drag coefficients for first-year sea ice derived from aircraft measurements. Walter, B.A., et al, (1984, p.3550-3560, eng) 39-257
- Data from the National Weather Service 1981 for floods, winter storms and wind. Campbell, A.K., (1982, 38p., eng) 39-570
- Design of the cladding system for use on antarctic projects. (1984, 39p., eng) 39-2116
- Microwave radiometric determination of atmospheric parameters during the Bering Sea Experiment. Wilheit, T.T., et al, (1982, p.9-35, eng) 39-2739
- Are there secondary flows at the edge of the Fichner Ice Shelf. Rose, L., (1985, p.78-85, ger) 39-2810

- Flow models in katabatic winds. Kottmeier, C., (1985, p.86-96, ger) 39-2811
- Blizzard of February 4-5, 1984 over the eastern Dakotas and western Minnesota. Weiland, M., (1984, 12p. + append., eng) 39-2830

Windows

- Physics of the patterns of frost on a window, plus an easy-to-read sundial. Walker, J., (1980, p.230-238, eng) 39-1208
- Deicing apparatus. Liardi, V.L., (1970, 4 col., eng) 39-3837

Winter concreting

- Spraying concrete lining on tunnel walls in freezing weather. Mishin, V.V., et al, (1984, p.25-27, rus) 39-160

- High frost-resistance concretes for construction in the Far North. Kuntsevich, O.V., (1983, 131p., rus) 39-222
- What to do with concrete in cold weather. Randall, F.A., Jr., (1984, p.789-795, eng) 39-655

- Acrated ash concretes for the Far North. Zlatinskaya, T.V., et al, (1984, p.11-12, rus) 39-825

- Building failure during thawing of grouted panel joints. Shapiro, G.A., et al, (1984, p.20-22, rus) 39-830

- Construction of large panel buildings in freezing weather. Shishkin, A.A., (1984, p.18-19, rus) 39-831

- Construction of concrete ships and floating docks. Mishutin, V.A., (1984, p.36-38, rus) 39-1082

- Construction of small and medium size bridges with all-sectional columnar supports. Blinkov, L.S., (1984, p.20-21, rus) 39-1168

- The Onetovsk River port in the North. Tolmachev, R.A., (1984, p.28-30, rus) 39-1171

- Process industries in Alaska. Downey, R.J., (1982, p.196-198, eng) 39-1244

- Tunnels of the BAM. Bessolov, V.A., et al, (1984, p.38-44, rus) 39-1410

- Properties of concrete made with alinite-portland-cements. Mironov, S.A., et al, (1984, p.22-23, rus) 39-1550

- Winter concreting with the use of antifreeze admixtures. Logaids, A.V., (1984, p.23-26, rus) 39-1551

- Electrically heated steel formwork for winter concreting. Minakov, I.U.A., et al, (1984, p.12-13, rus) 39-1556

- Concrete mixers with heated bodies for cold regions. Ostromogol'skii, V.I., et al, (1984, p.13-14, rus) 39-1557

- Using sulfate liquors in paper-cellulose combines as concrete admixtures. Cherkasova, L.A., et al, (1984, p.23-24, rus) 39-1559

- Device for heating monolithic concrete. Grebnev, M., (1984, p.12, rus) 39-1561

- High-strength perlite-silicate concretes with plasticizing admixtures. Paturoev, V.V., et al, (1984, p.66-68, rus) 39-1981

- Empirical formula for calculating frost resistance of concrete. Lazarev, A.D., (1983, p.86-91, rus) 39-2374

- Concreting at low sub-zero temperatures. Zinchenko, N.A., (1985, p.52-55, rus) 39-2732

- Construction equipment for winter concreting. Krasnovskii, B.M., (1985, p.11-13, rus) 39-3103

- Bridge construction in petroleum provinces of western Siberia. Koter, V.A., (1985, p.12-14, rus) 39-3116

- Concretes with combined admixtures for engineering structures. Khazanov, M., (1984, p.46-48, rus) 39-3301

- New method of heating monolithic concrete structures. Timofeenko, L., et al, (1984, p.17, rus) 39-3536

- Chemical admixture for concretes. Osatskii, L.G., et al, (1984, p.19-20, rus) 39-3733

- Assembly of large-panel buildings in freezing weather. Sergeev, D.D., (1985, p.18-19, rus) 39-3737

- Concrete used in construction of the Baykal tunnel. Kasapov, R.I., et al, (1984, p.17-19, rus) 39-3876

Winter construction

See: Cold weather construction

Winter maintenance

- Keeping America's roads safe during winter. Atkinson, J., (1984, p.56-58, 62, eng) 39-93

- Increasing the efficiency of repairing construction equipment. Bardyshev, O.A., (1984, p.22-24, rus) 39-131

- Cold regions engineering in Norway. Flaate, K., (1983, p.5-6, eng) 39-312

- Increasing traffic safety and regularity in snow-storm periods. Norem, H., (1983, p.9-11, eng) 39-314

- Winter maintenance of roads in eastern Siberia. Maevskii, A.A., (1984, p.53-58, rus) 39-418

- Operation and maintenance of open-pit excavators under conditions of the North. Makhno, D.E., (1984, 133p., rus) 39-645

- Snow and ice removal equipment KO-705SL. Zuev, G.I.A., et al, (1984, p.16-17, rus) 39-826

- KO-707SL snow and ice removal plows. (1984, 2p., rus) 39-828

- KO-601 ice removing equipment for roads. Izotov, E.N., et al, (1984, p.23-24, rus) 39-829

- Snowdrifts and corrective actions on the Dempster Highway, N.W.T. (1981, 6p. + figs., eng) 39-1178

- Storage of automobiles in parking lots at low temperatures. Kramarenko, G.V., et al, (1984, 136p., rus) 39-1237

- Winter maintenance of signaling, interlocking and blocking devices in winter. Shul'man, M.A., et al, (1984, 72p., rus) 39-1239

- Field evaluation of snowplowable pavement markers. Pigman, J.G., et al, (1983, p.18-24, eng) 39-1645

- Blending the old with the new to fight winter storms. Heugele, T.J., Jr., (1982, p.48-49, eng) 39-1663

- Highway superintendents discuss winter maintenance. (1982, p.48-49, eng) 39-1664

- Salt and spreaders: dynamic duo battles snow and ice. (1984, p.114-115, eng) 39-1738

- Technology, cost and organization of urban winter road service. Pezzetti, G., et al, (1984, p.34-43, ita) 39-2047

- Readiness key to snow program. (1984, p.16-17, eng) 39-2050

- Technical servicing of construction equipment. Bardyshev, O.A., (1984, p.123-126, rus) 39-2076

- Engineer's pothole repair guide. Eaton, R.A., et al, (1984, 12p., eng) 39-2096

- Thorough preparation for winter. Brik, M.I., (1984, p.2-3, rus) 39-2105

- Planning winter maintenance of roads. Antonenko, L.V., et al, (1984, p.26, rus) 39-2110

- Winterized construction equipment. Miller, R.D., (1984, p.14-16, eng) 39-2480

- Winterizing a pipeline. Hodge, R.E., (1984, p.20-25, eng) 39-2481

- Cold country gas utility. Geske, L., (1984, p.28-33, eng) 39-2482

- Lubrication in severe weather. (1984, p.34, eng) 39-2483

- Winter maintenance of streets in Italy. Canovi, L., (1985, p.32-36, ita) 39-2667

- Flexible ice-shedding pavement salt alternative test begins in Minnesota. (1985, p.21, eng) 39-2716

- "Luminous wall" patching: key to permanent pothole repairs in winter. Riedinger, T., (1983, p.24-26, eng) 39-2728

- Guide to winter maintenance equipment and materials. (1984, p.15-37, eng) 39-2729

- Highway snow and ice control; state-of-the-art. Gustafson, K., (1984, 102p., swe) 39-2870

- Developments, aims and possibilities of winter service on federal highways. Kuhle, H., (1985, p.63-68, ger) 39-2889

- Snowfighters face many challenges. Atkinson, J., (1985, p.74-84, eng) 39-3032

- Machine for opening drainage ditches. Stramous, V.M., et al, (1984, p.16, rus) 39-3539

- Improving the working tool of an endless-screw snowplow. Polivanov, I.U.P., et al, (1984, p.24-25, rus) 39-3773

- Truck drivers' attitudes to winter road maintenance. Arnberg, P.W., (1984, 17p. + append., swe) 39-3795

- Experiments with unsalted roads in winter, Sweden. Björketun, U., et al, (1984, 63p., swe) 39-3796

See also: Snow removal

Winter operation

See: Cold weather operation

Winter performance

See: Cold weather performance

Winter road service

See: Road maintenance; Snow removal; Winter maintenance

Wood snow friction

- Friction of skis on snow. Leino, M.A.H., et al, (1983, p.101-104, eng) 39-1065

Wooden structures

- Snow loads on double-sloping gabled roofs (discussion). Neverov, I.A., et al, (1984, p.15-17, rus) 39-431

Yemen Arab Republic

- Possible late Palaeozoic glaciation in the central parts of the Yemen Arab Republic. El-Nakhail, H.A., (1984, p.126-128, eng) 39-253

Young ice

- HF propagation over horizontally uniform first year sea ice. Klein, K., et al, (1983, 131p., eng) 39-533

Yugoslavia**—Danube River**

- Concept and experience in controlling the ice regime on the Yugoslav reach of the Danube after the construction of the Iron Gate dam. Petković, S., et al, (1984, p.291-302, eng) 39-1777

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